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# NUMBERS & ODDITIES #
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-                                     -
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-::: N&O #71, March 2004 :::-

A nice one to start with this month. Simon Mason writes that "after sifting through dozens of videos, I finally found the BBC show featuring the original ENIGMA group."

Simon has put a number of stills and the sound clip of the show on his website at <http://www.simonmason.karoo.net/page476.htm>

Very nice, Simon!

We have covered CIS navy communications in N&O in the March issue of the WUN newsletter. The article is being re-written after additional info became available. The revised edition will be included in the April edition of the separate N&O newsletter.

-0-0-0-0-0-0-0-0-0-0-

★ VOICE STATIONS ★

::: E03

Lincolnshire Poacher ID's compiled by Al.

IDs as of March 1st, 2004

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	61778	61778	61778	61778	61778	61778	61778	1200
1300	39227	39227	39227	39227	39227	39227	39227	1300
1400	81347	83817	70759	59558	61778	00657	58493	1400
1500	58493	81347	83817	70759	59558	61778	76855	1500
1600	76855	58493	81347	83817	70759	59558	00657	1600
1700	00657	76855	58493	81347	83817	70759	61778	1700
1800	61778	00657	76855	58493	81347	83817	59558	1800
1900	59558	39227	00657	39227	58493	81347	39227	1900
2000	39227	61778	39227	76855	39227	58493	70759	2000

2100	70759	59558	61778	00657	76855	39227	83817	2100
2200	83817	70759	59558	61778	00657	76855	81347	2200

IDs as of March 15th, 2004

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	77778	77778	77778	77778	77778	77778	77778	1200
1300	20902	20902	20902	20902	20902	20902	20902	1300
1400	05367	67416	45180	67687	77778	93871	59880	1400
1500	59880	05367	67416	45180	67687	77778	77224	1500
1600	77224	59880	05367	67416	45180	67687	93871	1600
1700	93871	77224	59880	05367	67416	45180	77778	1700
1800	77778	93871	77224	59880	05367	67416	67687	1800
1900	67687	20902	93871	20902	59880	05367	20902	1900
2000	20902	77778	20902	77224	20902	59880	45180	2000
2100	45180	67687	77778	93871	77224	20902	67416	2100
2200	67416	45180	67687	77778	93871	77224	05367	2200

<<<<<>>>>>

::: E04

Cherry Ripe ID's compiled by Tomonori.

IDs as of 1st half of March, 2004

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		09576	87050	90254	53047	41820	0000
0100		87050	90254	53047	41820	07185	0100
1000		90254	53047	41820	07185	77437	1000
1100		53047	41820	07185	77437	90254	1100
1200		41820	07185	77437	90254	09576	1200
1300		07185	77437	90254	09576	87050	1300
1400							1400
2200	77437	90254	09576	87050	90254		2200
2300	90254	09576	87050	90254	53047		2300

IDs as of 2nd half of March, 2004

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		05245	41794	06603	20367	49209	0000
0100		41794	06603	20367	49209	50490	0100
1000		06603	20367	49209	50490	23108	1000
1100		20367	49209	50490	23108	06603	1100
1200		49209	50490	23108	06603	05245	1200
1300		50490	23108	06603	05245	41794	1300
1400							1400
2200	23108	06603	05245	41794	06603		2200

2300 06603 05245 41794 06603 20367 2300

<<<<<>>>>>

::: E10

Again no string messages from E10. Only a couple of times "PCD1" on 6498 kHz, that is all. Further of course the usual schedules.

<<<<<>>>>>

::: E11

After a long time E11 finally sent a message on 16 March at 0830 UTC on 8544 kHz. Richard comments "commenced 189 Oblique 67 then 'Attention' 92242 92242 14913 14913 etc. The whole message was then read out again with no repeats. The young lady has an East European accent and she pronounces the figure 5 FIVER (the correct phonetic is FIFE, as FIVER is easily confused with NINER for 9). This is the first time I've heard a message myself on E11. The 1230 sending was on 8544 khz (unexpected) with 312/00. The 1300 sending was found on 8800 (not 8088 as usual) with 183/00." (Richard via ENIGMA 2000)

<<<<<>>>>>

::: S04

"I have heard Edna, S04 tonight.", says Gert on the E2K list. S04 was on the air on Monday, 8 March at 2245 UTC on 3368 kHz with 342 - nr 247 gr 52 = 56574. Nice strong signal, good audio.

Thanks for the log, Gert.

<<<<<>>>>>

::: S11a

E11's sister, the Russian lady of S11a was on the air again on 3 March between 2100-2105 UTC on 4016 kHz with "971/00". (AF via E2K)

<<<<<>>>>>

::: V24

Tomonori writes that he has heard V24 on 6215 kHz at 1616 UTC on 19-3.

<<<<<>>>>>

::: V26

Both Takashi and Tomonori have logged V26 on a number of occasions.

The Chinese LSB station used parallel frequencies 5924//6448//8621 kHz at 1052 UTC. Other frequencies are 9101 (2348 UTC) and 10620 kHz.

-0-0-0-0-0-0-0-0-0-0-

\* MORSE STATIONS \*

Contributors: Deka, Tomonori, Takashi, Fritz, Jim, Nirvana, Franta, Jim, Guy and Igor.

::: MX

Channel markers reported in March:

L: 3336,2 and 4091.2 kHz. I received a note from one of my correspondents that "L" was heard on two harmonic frequencies 6672.44 kHz and 10008.66 kHz at 0500 UTC on 24 March. Thanks for your report, OM!

P: 4043, 4828 kHz.

R: 4325.8, 5465.8kHz.

V: 3658 kHz and also on 7038.8 but I am not sure if this was MX.

Cluster beacons:

C: 4558, 5154, 7039, 7078 (not sure if this was MX)

S: 7038.9

F: 7039.2

K: 7039.3

M: 3595.4, 4558.4, 7039.4 and on faulty freq 7038.9 kHz

<<<<<>>>>

::: M08a

We learn from Chriss Acuff that M08a has changed its frequencies for its 1200 and 1300 UTC skeds. "It has changed them back to the old sked" Chris said.

1200 UTC:	Monday:	9330
	Tuesday:	10858
	Wednesday:	9330
	Thursday:	10858
	Friday:	9330

Saturday: 10858

1300 UTC: Monday: 10566  
Tuesday: 12093  
Wednesday: 10566  
Thursday: 12093  
Friday: 10566  
Saturday: 12093

<<<<<>>>>>

::: M18

M18 is a daily guest on 4073 kHz. The station transmits a time string,  
UTC + 3 hours, which is Moscow time.

<<<<<>>>>>

::: M21

3314	ID 0	14-3	1951 UTC	=992252??0?????
4059	ID 0	14-3	2011 UTC	=992311??0?????
4071.5	ID 8			
4391	ID 0	9-3	1650 UTC	=11806096244648
				=11806667637350
				=11806667636452
5131	ID 0	16-3	2056 UTC	=992357??0?????
5198	ID 0	1-3	1650 UTC	
5372	ID 8			
5873	ID 0	8-3	2059 UTC	
6321.5	ID 9	23-3	2040 UTC	=992340??0?????
7775	ID 0	24-3	1443 UTC	
7994	ID 0	24-3	1450 UTC	=991750??0?????

Remark: Very few messages heard apart from time strings.

::: M21 variants

2755.5	23-3	2117 UTC	9717099317116 ...
3324.5	17-3	2018 UTC	98057190511900 ...
4864	1-3	1610 UTC	9732099097410
			9732099001610
			9732099019912
			9730099316212 ...
5765	16-3	1632 UTC	=9511085459932
			9510095454432
			=9911095454634

<<<<<>>>>>

::: M22

2680, 2800, 4241, 4331, 5159, 6379, 8103, 10046, 12984 kHz were used in March.

<<<<<>>>>>

::: M23

Two new (?) frequencies for M23 were reported by Jim. He heard the station at 1708 UTC on 18250 kHz and at 1630 UTC on 20208 kHz. Both times repeating "555". There were no messages.

<<<<<>>>>>

::: M39

Unid #3 in last month's N&O is M39. Thanks Guy!

5230 kHz, 17-02, 1325 UTC: ....  
91859 91859 (rptd) (dashes for about 30 sec)  
79579(x3) 12907(x3) 79579(x3) 12709(x3)  
79579(x3) uses short zero, hand sent

<<<<<>>>>>

::: M40

Our Japanese correspondents reported the following transmissions from North Korea:

8260 kHz at 1000 UTC and 10620 kHz at 1030 UTC: VVV CQ 747.520 etc.  
4580 kHz at 1505 UTC: VVV CQ 615.273 etc. Finally CQ 615.244 on 4580 kHz at 1500 UTC, Count 189.

<<<<<>>>>>

::: M51

It has been a while, but..... I am glad that we have an extended M51 item again. Fritz Nusser observed the station during the past month and this is what he has found.

Frequency	date	day	UTC	message
-----	----	---	----	-----
5406//4039	23-2	Mon	1515	

4029.5//5824.5	23-2	Mon	1920	
5309	24-2	Tue	1351	= nr 78 f 24 14:51:22 2004 = 5LGx100
4874	24-2	Tue	2030	
5303//4552.5	25-2	Wed	1520	
5406//4039	25-2	Wed	1620	
4553	26-2	Thu	1640	
5400	1-3	Mon	1550	
4808	1-3	Mon	1610	
5400	2-3	Tue	1630	
5212.5	3-3	Wed	1525	
5212	4-3	Thu	2055	
5309	8-3	Mon	1940	
5885.5	9-3	Tue	1545	
5279//5134.5	9-3	Tue	2015	
5193//5907.5	10-3	Wed	1545	
5885.5	10-3	Wed	2015	
5193//5907.5	11-3	Thu	1615	
5838//5063	15-3	Mon	1615	= nr 41 m 15 17:15:54 2004 = 5LGx100
5457	16-3	Tue	1629	
5426//4769	17-3	Wed	1605	
4808//4438.5	18-3	Thu	1620	
5410//4796.5	22-3	Mon	1510	
5127//4638.5	22-3	Mon	1646	
4440	23-3	Tue	1510	
5410//4796.5	23-3	Tue	1600	
4440	24-3	Wed	1640	
4440	25-3	Thu	0725	
5127	25-3	Thu	1602	

Fritz added this final remark: "M51 has two distinctive features; pauses between elements are too short. None of my CW decoders can decode it properly. In many transmissions there is a loud hum between the characters. At parallel transmissions, only one frequency is affected."

<<<<<>>>>>

M62

3485	1-3/10-3	24/7	B3ET B3ET B3ET = RNJ5 RNJ5 RNJ5 +
3485	11-3/20-3	24/7	J7XD J7XD J7XD = D3QK D3QK D3QK +
3485	21-3/31-3	24/7	QR2U QR2U QR2U = KP6F KP6F KP6F +

no messages heard

1732 (parallel frequency), QSA NIL

<<<<<>>>>>

::: M87

Our M87 specialist, Igor, sent us two messages this month:

9846 kHz, 0130 UTC, 18 March.        2

249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
249 249 249 000 000  
t t t

11250 kHz, 0630 UTC, 19 March.

... 945 945 333  
945 945 945 945 945 945 945 945 333  
945 945 945 945 333  
945 945 945 945 945 945 333  
945 945 945 945 333  
945 945 945 945 333  
945 945 945 333  
= 03 03 50 50 =  
=  
nt5a7 tna76 d47ta 75d4u 5t6ud un3t5 d364t ud465 d3n47 ad5n6  
nt643 643ut dun4a n57au a7un3 63t57 ua3nt d4tua 4d5tu 76d43  
76d4u nt6u5 3nt6a 4d5tu 75d43 5a6u7 a6unt 5n6a3 d6n54 a74d5  
73nt4 673at 3at7u 4u5a3 u7nt5 6u3nt 73nd4 nt6a7 5dau3 7a635  
d5n6a ud643 7u43n 637d4 d45ua 6u74n tn4ad n465a ud5t3 6u73d =  
= 04 04 50 50 =  
d4ta5 7d4ua u5n6t 3n475 adut6 ua3nt nt647 t3a7n d4u5a 4tda7  
d5t6a 5u673 a7354 7ud6n d6t54 6u3da 3nt65 73d4u 5u7d4 7645a  
734d5 ad36u tun3a 4n5t6 a5u7n 436ua ntua7 da3tn 4t5ad 6u4da  
7d364 t6du5 3nt64 7u53n 5a6u7 t576u 6u374 5t64n d4n56 7uant  
7tdd7 t5a6n 3u75n t653a 67343 4u6n6 73ua5 6t375 63nt4 3tndt =  
333 333  
= 03 03 50 50 =  
=  
nt5a7 tna76 d47ta 75d4u 5t6ud un3t5 d364t ud465 d3n47 ad5n6  
nt643 643ut dun4a n57au a7un3 63t57 ua3nt d4tua 4d5tu 76d43  
76d4u nt6u5 3nt6a 4d5tu 75d43 5a6u7 a6unt 5n6a3 d6n54 a74d5  
73nt4 673at 3at7u 4u5a3 u7nt5 6u3nt 73nd4 nt6a7 5dau3 7a635



d5n6a ud643 7u43n 637d4 d45ua 6u74n tn4ad n465a ud5t3 6u73d =  
=  
333  
= 04 04 50 50 =  
=  
d4ta5 7d4ua u5n6t 3n475 adut6 ua3nt nt647 t3a7n d4u5a 4tda7  
d5t6a 5u673 a7354 7ud6n d6t54 6u3da 3nt65 73d4u 5u7d4 7645a  
734d5 ad36u tun3a 4n5t6 a5u7n 436ua ntua7 da3tn 4t5ad 6u4da  
7d364 t6du5 3nt64 7u53n 5a6u7 t576u 6u374 5t64n d4n56 7uant  
7tdd7 t5a6n 3u75n t653a 67343 4u6n6 73ua5 6t375 63nt4 3tndt =  
= 000

10518 kHz, 2300 UTC, 31 March.

651 651 651 651 651 651 651 651 651 651 000  
651 651 651 651 651 651 651 651 651 651 000  
651 651 651 651 651 651 651 000  
651 651 651 651 651 000

13000 kHz, 0700 UTC, 1 April.

792 792 792 792 792 792 792 792 792 792 792 792 792 792 000  
792 792 792 792 792 792 792 792 000  
792 792 792 792 792 000

<<<<>>>>

::: M89

The Chinese military stations were widely heard and reported.

V GM2Z GM2Z GM2Z DE PNW9 PNW9 5628 kHz  
V CP17 CP17 CP17 DE L9CC L9CC 3527, 3550, 3552, 7058, 7076 kHz  
V LA8T LA8T LA8T DE NH8T NH8T new call???  
V LA5S LA5S LA5S DE NH8T NH8T various freqs  
V MW3D MW3D MW3D DE 2SLC 2SLC 3330//4440, 7076 kHz  
V BJCC BJCC BJCC DE 3SA 3SA 16664 kHz

16664 kHz, 0105 UTC, 24 March (logged by Igor)

v bjcc bjcc bjcc de 3sa 3sa msg nr 8773/o35  
v bjcc bjcc bjcc de 3sa 3sa msg nr 8773/o35  
v bjcc bjcc bjcc de 3sa 3sa msg nr 8773/o35  
ck 21 o324 o355 =  
t6du 777t 5t73 5n33 5u66 7u6a a464 tu7a 3a6a 5dau  
3uau 47n3 a5ua ntd3 7au4 ad44 ndt3 45u4 a6d4 na4d  
4a4d

d773 t35 ua t3u4 t355  
t6du 777t 5t73 5n33 5u66 7u6a a464 tu7a 3a6a 5dau  
3uau 47n3 a5ua ntd3 7au4 ad44 ndt3 45u4 a6d4 na4d  
4a4d

An interesting note was submitted by Tom who writes: "This looks like a PR China Naval shore station (3SA) and a PR vessel. Both are regular ITU-conform callsigns. Looks interesting! I think 3SA also spotted on longwave before, as I found "20.5 kHz, 3SA/3SB Datong Naval base, Peoples Republic of China" in an old database."

Thanks for the note, Tom. I too found the 3SA callsign in a 1989 ITU callsign book but the vessel is not listed in the latest ITU shipping list. As the call-up corresponds with the others that we already know, I wonder if the callsign is genuine. All the others are tactical calls.

<<<<<>>>>>

::: M91

4820//3996	1-3/19-3	0700-1700 UTC
2362//2852	1-3/19-3	1700-0730 UTC
4820//3996	20-3/31-3	0700-1730 UTC
2362//2852	20-3/31-3	1730-0730 UTC

Parallel frequencies heard again on March 3/14

Sample messages:

2362 kHz, 1-3, 2135 UTC, Marker "FEKR"

4820 kHz, 10-3, 0712 UTC

X3XH de PRYI QTC 25 20 10 0812 898 = X3XH = 5LGx20 =

(repetition txt) = PRYI = for X3XH rpt QLN +

20-3, 1725 UTC, N8Q7 (marker)

20-3, 1730 UTC, N8Q7 de 5SXY 907 col 907 + (frequency changes)

-0-0-0-0-0-0-0-0-0-0-

\* VARIOUS MODES \*

XSW 3828.9 kHz, Squeaky Wheel channel marker. Occasionally also heard on 5474.5 during the day. The signal was very faint in Switzerland and not audible here in Holland. Can anyone closer to Russia try this frequency?

S28 4625 kHz, the Buzzer

S30 3756, 5448 kHz, the Pip

XSL 6250, 6417, 6445, 8313.5, 8588, 8703.5 kHz

X06 7680 kHz, 2109, 18-3  
7820 kHz, 2000, 09-3  
8124 kHz, 0550, 13-3  
13506 kHz, 1220, 06-3

X06 logs by Jochen and Gert via ENIGMA 2000.

<<<<<>>>>>

::: XP

Several monitors asked me why I hardly mention XP these days. Well, I have very little time to monitor these stations myself and new variants are reported regularly. ENIGMA 2000 covers these stations quite extensively so you can always look for XP info in their newsletters. They can be found on the N&O website. Three of you asked for the tone sequences of each variant. The ENIGMA newsletter #21 mentions the following sequences:

XPA: A major article will be produced in the near future, final analysis, checking and pre-publication editing is currently being undertaken by the ENIGMA 2000 XP Desk.

XP: Tone (Hz) 303 319 495 511  
Value space end start repeat

Tone (Hz) 335 351 367 383 399 415 431 447 463 479  
Value 0 1 2 3 4 5 6 7 8 9

XPH: Tone (Hz) 1304 1271 992  
Value space separator repeat

Tone (Hz) 1234 814 844 879 914 954 1038 1089 1143 1202  
Value 0 1 2 3 4 5 6 7 8 9

XPM: Tone (Hz) 450 488 531 568 611 649\* 692 730 773\* 811\* 854\* 891  
934 972 1015 1058\* 1096\* 1177\*  
Values: still under investigation, tones marked " \* " are used only for the longer duration tones.

XPL: Pairs of non-harmonically related tones combined to give a resultant, as heard, audio tone.  
Tones (Hz) 150/235 165/255 180/245 205/260 215/290  
Resultant (Hz) 80 90 65 55 75

Values: still under investigation.

An example was supplied by Paul:

XP, 12123 kHz, 0720 UTC, 5 March, ID 915, DK/GC 00865 00257.

915 915 915 1 915 915 915 1 915 915 915 1 915 915 915 1  
915 915 915 1 915 915 915 1 915 915 915 1 915 915 915 1  
915 915 915 1

00865 00257 72857 17178 25227 07939 37674 50352 24380 28667  
95143 02121 89678 08735 60676 00943 44901 80139 92739 93389  
82389 14953 66057 05736 19495 05705 18772 55006 35691 08957  
11438 29851 82575 63053 20236 35632 66828 71121 88289 79018  
95421 62249 99857 01744 86932 36165 81726 84610 94835 21865  
09231 85794 52917 60614 10629 04996 02561 27526 05386 82369  
75485 04764 73346 38051 28891 16397 72457 36749 55532 27825  
36100 97004 57586 42508 87462 11253 10535 25679 91873 78609  
32856 45038 59846 61438 41487 51223 07429 69300 01315 44208  
98046 08446 62139 28285 14256 39605 45458 66232 94058 84559  
03385 55681 31844 86325 47815 49917 77440 92840 36952 98589  
48466 07958 80458 25342 36037 49961 43367 87514 29379 51805  
91813 93559 90519 36280 15997 02682 27757 56300 09793 42964  
62479 57227 84715 37168 79837 89486 39451 55585 59972 51858  
84740 73063 09761 21253 97050 75560 65202 94819 46739 18692  
61720 11984 85949 07976 18405 95608 43100 10981 49776 69307  
04592 21558 82853 80647 55510 22887 52910 79567 94121 77321  
75303 72808 94329 41715 47890 16191 47885 10909 18073 22127  
07837 05150 67997 69485 88818 99974 35247 00966 79280 50146  
24183 16778 81100 95046 83224 15457 46390 37161 05232 78286  
88442 37491 79714 98321 51969 06222 09382 16034 73464 05337  
17752 28714 97338 23128 98690 37125 42975 15821 67232 47231  
93419 85713 13169 96558 79280 72890 76189 14131 02429 30971  
21106 07116 69805 80825 52884 29285 42155 06166 42551 30958  
63772 54347 14495 63752 97249 46367 02470 37405 52680 89915  
10591 56786 52331 83174 52597 47115 82749 82244 86419

<<<<<>>>>>

::: RADARS ETC.

Iran:

14000 OTH Radar; 3 pulses per second.

Cyprus:

The OTHR based near Akrotiri was heard on a number of frequencies:  
21000, 21015, 21075, 21090, 21170, 21190, 21270, 21320, 21375, 21410,  
21420, 21435, 24900, 28205, 28280, 28365, 28495 kHz.

Unid location:

28110 kHz; frequency hopper, System: Racal/Thales

-0-0-0-0-0-0-0-0-0-0-

\* UNID STATIONS \*

::: PIP STATIONS

All our Japanese correspondents have sent us a number of "pip" logs this month. The 2-second pip is heard very often on at least 7 different frequencies. You can often hear 3 or 4 frequencies in parallel.

- One pip every 2 seconds: 8340//10470/14425 kHz. At other times also heard on three or four parallel frequencies: 3115//5455//8340 kHz and 5455//6214//6230//8340 kHz. 8340 kHz has a distinctive hum. The station transmits frequently coded messages in hand-keyed CW.

- Three pips per 2 seconds: 3066.5//10061.5 kHz.

<<<<<>>>>>

::: "2"

The unidentified marker "2" is transmitting from the extreme NE corner of China. It's purpose or user is still unknown.

The station transmits every 30 seconds a "2" on 10140.5 kHz. Mode: CW. Transmissions are scarce and weird. Tomonori caught part of a message on 26 March between 0205 and 0208 UTC. This is what he heard: "d d d d d d d d a a a a a a a a a a q d d d 7 a a a q h" followed by the "2" marker sent every 30 seconds.

<<<<<>>>>>

::: UNID 1: UXSF

Remember the station on 4993 kHz who was keying "UXSF" daily at 1600 UTC? He took a vacation by the end of February and asked his colleague to take over on 4632 kHz keying "Y8F1" at 1600 UTC daily for 2 minutes as per March 1st. Another mate of him can be heard on 5400 kHz. Still no clue about it's identity.

4993 kHz, 26-11-03/29-02-04, 1600 UTC, daily: UXSF (R3) +

5400 kHz, 04-03-04, 1600 UTC: 8DL9 (R3) +

4632 kHz, 01-03-04, 1600 UTC, daily: Y8F1 (R1) +

<<<<<>>>>>

::: UNID 2

Attu Bosch found an unid CW station on 4139 kHz. The transmissions are hand keyed and the transmitter wasn't very stable. It drifted after a while. Attu heard this on 7 March, 1435 UTC:

67538 /2 bt  
94764 16438 /2 bt  
421738 6555 /2 bt  
8838 19711 /2 bt  
38203 29683 /2 bt  
46091 43717 /2 bt  
4568 054106 /2 bt  
18870 37513 /2 bt  
25905 74677 /2 bt  
72971 14399 /2 bt  
63268 51986 /2 bt  
287806 74225 /2 bt  
02600 8767 /2 bt  
23941 844032 /2 bt  
912645 80805 /2/ bt  
511574 8733 /2/ bt  
778320 0540 /2/ bt  
135297 1643 /2/ bt  
02705 /2/bt  
27587 9293 /2/ bt  
45980 8163 /2/ bt  
51642 45759 /2/ bt  
91071 20333 /2/ bt  
89101 00878 /2/ bt  
28260 18 /2/ bt  
28260 18098 /2/ bt  
22254 85619 /2 bt  
93869 22439  
R ? AR

Igor Buhtiyarov heard a similar transmission on the same frequency on 16 March at 1603 UTC. The message was rather long so I have omitted a part of it. The station uses a short zero. Attu did you notice this too?

aa 2 = 71812 69731  
aa 2 = 89175 2t424  
aa 2 = t6731 t4544  
aa 2 = t5tt3 7tt22

aa 2 = 4t941 89843  
aa 2 = t4315 38548  
aa 2 = 64855 65t68  
aa 2 = 61572 5111  
aa 2 = 44199 47t8t  
aa 2 = 4t472 6t721  
aa 2 = 39186 185tt  
aa 2 = 68t14 186t6  
aa  
aa 2 =  
nr ?  
aa 2 = 11242  
aa 2 = 81543 27tt8  
aa 2 = 53779 6t868  
aa 2 = 36195 33188  
aa

<<<<<>>>>

::: UNID 3 "VTI8"

Another observation from Attu concerns a station that has been reported before and which is still an unid.

The station uses callsign "VTI8" and can be found on 3700 kHz. No-one has reported anything else than a marker which is being sent from 25 to 35 minutes and 55 to 05 minutes each hour.

Further reports are most welcome.

<<<<<>>>>

::: UNID 4 "YTOS"

Our correspondent from Alaska, Attu Bosch, sends us the following log of a yet unid station.

13843 kHz, callsign: YTOS with traffic to ZV2R, QYT4, OW4N. Possibly Russian military.

(0500 UTC, 1 April)  
qyt4 qyt4 de ytos ytos ok zdm zoa k  
ytos as  
ytos r  
qyt4 qrj 3 qyt4 qrj imi k  
ytos r  
qyt4 qoi k  
ow4n ow4n de ytos ytos

qyt4 zpd zor zon  
rpt qyt4 zpd zor zon k  
ytor as

(0525 UTC)  
nw ytor qyt 4 qij 3 k  
ytor ok qyt 4 qoi k  
ytor 610 610 185 bt  
3754 5817 7168 1691 9799 8565 9644  
4263 0679 9549 3301 5887 6597 8793  
bt 879 k  
ytor ok qyt 4 qbe k

The station has an excellent signal in S. Alaska from 0000 till 0900 UTC daily. The station uses a short zero.

-0-0-0-0-0-0-0-0-0-0-

\* MILITARY STATIONS \*

::: RUSSIAN / UKRAINIAN / CIS MILITARY STATIONS

Logs submitted by Jim, Sergey, Igor, Alf, Eric and John.

Frequency	QSO	Callsign / remarks
18.1		RDL: Russian Military VLF Site Krasnodar. From Nizhny Novgorod VLF site after site-switching tests
3294	3294	OLI3, OCWG
3334		ZYDT, P1S1, 9BN8
3348	3819	PQ6Z, MIXS, GGSR, 8AVL, PFQ2, BAPC, A1JL, DFVK, HATM, FBOA, ZLZO, PLQO, QXLI
3538		EIPS, MMSK, H07H unid
3550		HPR5, BQQJ
3692.5		RJD56 Russian navy vessel clg RCP
3811		4PRP, Z7A3, LGJ3, 8J3V
3819	3348	SLP4
3884		MYFE, BI2V, SKNB, 4UGI, VXHD, DVZQ, EDZB, ZWDB, 6ZG3, BIZV, SKNK, 4UGI, VXHD, DV2Q, EDOB, ZWDB, VHIA, LHVW, X5ML
3899		OQB9
4021		VNGE, 6ZM4
4261		DSKZ, IYCS, IZ2G, CTAW
4379		REA4: AF HQ Moscow //8585 kHz
4447		FSCI, TP3N, H3SY, OCFG, F2HX, ZMLG, IZBW, HRX1, OG04, KMMB, VU9Y, 3KPZ, OQB9
4456	3954	6KMN, Z7A3, LGJ3, 8J3V, VPLP, FDX6, 5DSE, SI8E, L9GN,



		KFZZ, DHN2, IFBX, TOIC
7041	7041	DFYQ, CIXG, C8NM, KOC4, MYSZ, 4EPE
8585		REA4: AF HQ Moscow //4379//5157//7852 kHz
8816		RJF94: Russian Naval Air Net Moscow
10531		RCY7, RJF95, RA098, RK03
10673		REA4: AF HQ Moscow //11408//12736 kHz
11408		REA4: AF HQ Moscow //10673//11408//12736 kHz
12736		REA4: AF HQ Moscow
14555		Khiva Naval working RFF78

-0-0-0-0-0-0-0-0-0-0-

::: POLISH STATIONS

2536.5 kHz: Malini 25 wkg Zgiecie 07. Indragiri 66 clg Troja 41

2701.0 kHz: Epiforat73 wkg Breton 04 and Ciagadlo 83

Thanks for the logs, Maciej.

-0-0-0-0-0-0-0-0-0-0-

\* LOGS SECTION \*

- Joint Spooks / WUN / ENIGMA 2000 Announcement -

Following discussion between all the above regarding the increasing popularity of Numbers Listening from remote receiver sites via the Internet, and their appropriate logging, we respectfully request that all logs of these stations clearly indicate the remote receiver location.

So if you're using a java radio in Sweden, be sure to use \*that\* as the location, not your location, which is really meaningless in this case.

Thanks in advance for your co-operation.

2362	M91	Czech mil. Marker "FEKR" CW 1-3-2004 Mon 2135 (AB)
2362.0	M91	czech military station marker ONZL CW 6-3-2004 Sat 0022 (LC2)
2362.0	M91	czech military station marker D3EU MCW 13-3-2004 Sat 0021 (LC2)
2626	E10	in progress AM 25-3-2004 (MSM)
2742.0	E10	ULX 111 DSAEQ USB 5-3-2004 Fri 2000 (GG)
2800	M22	4XZ, Israeli navy Haifa CW 25-3-2004 2112 (MSM)
3149.0	E10	PCD 51 UYHQW//4270 USB 3-3-2004 Wed 1900 (JAQ)
3150.0	E10	PCD2 USB 5-3-2004 Fri 2000 (GG)
3150.0	E10	PCD2 USB 9-3-2004 Tue 0400 (BS4)
3150.0	E10	PCD2 USB 23-3-2004 Tue 2330 (BS4)

3245.0 V02a i/p; A \_\_\_\_\_ 29691 AM 8-3-2004 Mon 0508 (BM)  
3292.0 V02a A 19802 89502 46963 AM 6-3-2004 Sat 0400 (BM)  
3292.0 V02a fair/readable, ID is 08803 ??433 30851 USB 9-3-2004  
Tue 0200 (CA2)  
3292.0 V02a strong/readable, into message USB 23-3-2004 Tue 0200  
3295.0 V02a very weak/mostly unheard, i/p USB 30-3-2004 Tue 0200  
3336.2 MX Channel marker "L" CW 1-3-2004 Mon 2138 (AB)  
3360.0 V02a Good levels S9 AM 29-3-2004 Mon 0006 (Vambo)  
3389.0 V02a i/p; new sked? AM 5-3-2004 Fri 0517 (BM)  
3389.0 V02a strong/readable, into message, new sked? USB 23-3-2004  
Tue 0100 (CA2)  
3389.0 V02a i/p; new sked?; 6778 is just a harmonic of this sked.  
AM 23-3-2004 Tue 0512 (BM)  
3389.0 V02a strong/readable, into message, M8a in bg USB 30-3-2004  
Tue 0100 (CA2)  
3415.0 E10 ART2 USB 9-3-2004 Tue 2230 (BS4)  
3756.0 S30 strong signal from the pip USB 6-3-2004 Sat 0023 (LC2)  
3828.9 XSW "Squeaky Wheel" channel marker CW 1-3-2004 Mon 2142  
3840.0 E10 YHF ?? RJOH? USB 5-3-2004 Fri 0000 (GG)  
3840.0 E10 YHF 157 LXBBW USB 6-3-2004 Sat 0000 (GG)  
3840.0 E10 YHF in tfc USB 6-3-2004 Sat 0330 (BS4)  
3840.0 E10 YHF 157 LXBBW USB 7-3-2004 Sun 0000 (GG)  
3840.0 E10 YHF//5820 USB 9-3-2004 Tue 0400 (BS4)  
3840.0 E10 YHF 67 UAGAC USB 18-3-2004 Thu 0000 (GG)  
3840.0 E10 YHF 38 HZ??? USB 18-3-2004 Thu 0400 (GG)  
3840.0 E10 YHF swamped in QRM USB 19-3-2004 Fri 0400 (GG)  
3840.0 E10 YHF in tfc USB 20-3-2004 Sat 0330 (BS4)  
3868 S04 342 - nr 247 gr 52 = 56574 AM 8-3-2004 Mon 2245 (GN)  
3926.0 M08a ID 03473 05681 72532 CW 7-3-2004 Sun 1000 (MS)  
4016 S11a 971/00 AM 3-3-2004 2100 (AF)  
4017.0 V02a fair/readable, into message, fast uno USB 9-3-2004 Tue  
0300 (CA2)  
4017.0 V02a weak/readable, ID is 52481 02162 02863 USB 16-3-2004  
Tue 0300 (CA2)  
4017.0 V02a strong/readable, ID is 57191 650?? 83663 USB 23-3-2004  
Tue 0300 (CA2)  
4017.0 V02a fair/readable, ID is 19141 67073 74423, weak M8a in bg  
AM 30-3-2004 Tue 0300 (CA2)  
4027.0 M08a strong/readable, into message CW 9-3-2004 Tue 0300  
4028.0 M08a (QRM blocks - uncopiable) CW 6-3-2004 Sat 1100 (MS)  
4028.0 M08a fair/readable, into message CW 30-3-2004 Tue 0300  
4028.0 V02a i/p AM 5-3-2004 Fri 0515 (BM)  
4028.0 V02a i/p; new sked? AM 5-3-2004 Fri 0644 (BM)  
4028.0 V02a i/p AM 11-3-2004 Thu 0625 (BM)  
4028.0 V02a fair/readable, into message USB 12-3-2004 Fri 0100  
4028.0 V02a fair/readable, into message USB 26-3-2004 Fri 0600  
4028.0 V02a fair/readable, into message, new sked? USB 30-3-2004  
Tue 0600 (CA2)

4034.0 V02a weak/sorta readable, into message USB 17-3-2004 Wed 1200 (CA2)  
 4035.0 V02a fair/readable, ID is 48475 13?83 23853 USB 3-3-2004 Wed 1200 (CA2)  
 4035.0 V02a weak/mostly readable, into message, new sked? USB 29-3-2004 Mon 0400 (CA2)  
 4035.0 V02a weak/readable, into message USB 31-3-2004 Wed 1200  
 4073 M18 time groups CW 15-3-2004 2235 (LC2)  
 4073.0 M18 count 4FG UTC+3 CW 13-3-2004 Sat 0022 (LC2)  
 4173.0 M08a ID 03473 05681 72532 (rpt of 1000z on 3926m) CW 7-3-2004 Sun 1100 (MS)  
 4174.0 V02a weak/mostly readable, into message USB 8-3-2004 Mon 0300 (CA2)  
 4174.0 V02a i/p AM 8-3-2004 Mon 0331 (BM)  
 4174.0 V02a weak/readable, into message USB 15-3-2004 Mon 0300  
 4174.0 V02a strong/readable, into message USB 22-3-2004 Mon 0300  
 4174.0 V02a weak/mostly unreadable, no carrier, into message USB 29-3-2004 Mon 0300 (CA2)  
 4270.0 E10 PCD 91 HHVIS USB 2-3-2004 Tue 1900 (JAQ)  
 4270.0 E10 PCD 7 HOKHJ USB 2-3-2004 Tue 1930 (JAQ)  
 4270.0 E10 PCD2 USB 2-3-2004 Tue 2000 (JAQ)  
 4270.0 E10 PCD 51 UYHQW//3149 USB 3-3-2004 Wed 1900 (JAQ)  
 4270.0 E10 PCD 7 HOKHJ USB 3-3-2004 Wed 1930 (JAQ)  
 4270.0 E10 PCD USB 5-3-2004 Fri 1800 (GG)  
 4270.0 E10 PCD2 USB 5-3-2004 Fri 2000 (GG)  
 4270.0 E10 PCD 7 HQRQL AY0ZX CGWBV TRLNJ SREZW TMRHV RUVUE USB 18-3-2004 Thu 0300 (GG)  
 4270.0 E10 PCD2 USB 19-3-2004 Fri 0300 (GG)  
 4270.0 E10 PCD 14 NXGEO USB 28-3-2004 Sun 1930 (JS3)  
 4270.0 E10 PCD 68 OIQDQ USB 30-3-2004 Tue 1900 (JS3)  
 4270.0 E10 PCD2 USB 30-3-2004 Tue 1930 (JS3)  
 4329.0 V02a i/p AM 3-3-2004 Wed 0419 (BM)  
 4329.0 V02a strong/readable, into message USB 17-3-2004 Wed 0400 (CA2)  
 4331 M22 4XZ, Israeli navy Haifa CW 25-3-2004 2154 (MSM)  
 4360 E10 SYN2 AM 23-3-2004 2007 (RGA)  
 4360.0 E10 SYN2 USB 1-3-2004 Mon 0145 (BS4)  
 4360.0 E10 SYN2 USB 2-3-2004 Tue 1945 (JAQ)  
 4360.0 E10 SYN2 USB 3-3-2004 Wed 1945 (JAQ)  
 4360.0 E10 SYN 2 AM 6-3-2004 Sat 0023 (LC2)  
 4362.0 E10 SYN2 USB 14-3-2004 Sun 2045 (JS3)  
 4454 S21 454-38#//38=3#H#4, //4854 AM 4-3-2004 Thu 1842 (HFD)  
 4461 E10 in progress AM 23-3-2004 2011 (RGA)  
 4461.0 E10 FTJ 59 W0SED USB 4-3-2004 Thu 2130 (JS3)  
 4461.0 E10 FTJ2 USB 5-3-2004 Fri 1800 (GG)  
 4461.0 E10 FTJ 60 FA?RM USB 5-3-2004 Fri 2000 (GG)  
 4461.0 E10 FTJ USB 5-3-2004 Fri 2000 (GG)  
 4461.0 E10 FTJ 59 W0SED - same msg as yesterday, but this time

with a st USB 5-3-2004 Fri 2130 (JS3)  
 4461.0 E10 FTJ USB 5-3-2004 Fri 2300 (BS4)  
 4461.0 E10 FTJ 59 WOSD AM 6-3-2004 Sat 2130 (JS3)  
 4461.0 E10 FTJ 8 NGWMR USB 7-3-2004 Sun 0100 (BS4)  
 4461.0 E10 FTJ2 USB 7-3-2004 Sun 2330 (BS4)  
 4461.0 E10 FTJ USB 8-3-2004 Mon 2300 (BS4)  
 4461.0 E10 FTJ2 USB 9-3-2004 Tue 0400 (BS4)  
 4461.0 E10 EZI2/6840, 9130 USB 13-3-2004 Sat 2030 (JS3)  
 4461.0 E10 FTJ 54 WPOXA USB 14-3-2004 Sun 2000 (JS3)  
 4461.0 E10 FTJ USB 18-3-2004 Thu 2330 (BS4)  
 4461.0 E10 FTJ2 USB 19-3-2004 Fri 2300 (GG)  
 4461.0 E10 FTJ 87 URSKX USB 19-3-2004 Fri 2330 (BS4)  
 4461.0 E10 FTJ 113 NEKDA USB 23-3-2004 Tue 2330 (BS4)  
 4463.0 E10 FTJ2 USB 5-3-2004 Fri 1900 (GG)  
 4478.0 M08a ID ----- 08393 96192 (rpt of 1000z on 9323m) CW  
 6-3-2004 Sat 1100 (MS)  
 4479.0 V02a fair/readable, ID is 19802 07711 17252 USB 3-3-2004  
 Wed 0300 (CA2)  
 4479.0 V02a i/p AM 3-3-2004 Wed 0335 (BM)  
 4479.0 V02a fair/readable, into message USB 17-3-2004 Wed 0300  
 4479.0 V02a fair/readable, ID is 57192 93661 52822 USB 24-3-2004  
 Wed 0300 (CA2)  
 4479.0 V02a i/p AM 24-3-2004 Wed 0330 (BM)  
 4479.0 V02a fair/readable, into message USB 31-3-2004 Wed 0300  
 4479.5 V02a very weak, noisy AM 25-3-2004 Thu 0412 (DM)  
 4485.0 M08a //6758 CW 27-3-2004 Sat 0215 (DM)  
 4555 M45 555-382/31=39964 4555 stronger, //4955 CW 16-3-2004  
 Tue 1802 (HFD)  
 4558 MX Cluster beacon "C" CW 1-3-2004 Mon 2138 (AB)  
 4560.0 E10 YHF 130 KBEFN USB 1-3-2004 Mon 0230 (BS4)  
 4560.0 E10 YHF 130 KBEFN USB 2-3-2004 Tue 0230 (BS4)  
 4560.0 E10 YHF2 USB 4-3-2004 Thu 2130 (JS3)  
 4560.0 E10 YHF 36 NKBUS USB 5-3-2004 Fri 1900 (GG)  
 4560.0 E10 YHF2 AM 6-3-2004 Sat 2130 (JS3)  
 4560.0 E10 YHF2 USB 8-3-2004 Mon 2300 (BS4)  
 4560.0 E10 YHF USB 9-3-2004 Tue 0230 (BS4)  
 4560.0 E10 YHF 17 XRDVX USB 10-3-2004 Wed 0230 (BS4)  
 4560.0 E10 YHF 104 XNABV USB 24-3-2004 Wed 0330 (BS4)  
 4560.0 E10 // 5091 USB 27-3-2004 Sat 0330 (DM)  
 4596 M13a 358 358 358 0 0 0 R5 CW 16-3-2004 2100 (FN)  
 4625.0 S28 very weak/readable, buzzing away AM 24-3-2004 Wed 0259  
 (CA2)  
 4780.0 E10a KPA 10 OABXN USB 5-3-2004 Fri 1915 (GG)  
 4783 M10 ID 621/32 ???/22 CW 24-3-2004 2100 (FN)  
 4796.5 M51 NR 82 M 23 20:02:48 2004 = JENYM BGRPC ... DPCVM  
 //5410 CW 23-3-2004 1903 (RGA)  
 4822.0 G22 fair/readable on receiver in Sweden, ID is 186? AM  
 4-3-2004 Thu 2300 (CA2)

4822.0 G22 calling 186 AM 5-3-2004 Fri 0030 (OV)  
 4828 MX Channel marker "P", Kaliningrad CW 11-3-2004 1422  
 4854 S21 454-38#/38=3###4, //4454 AM 4-3-2004 Thu 1842 (HFD)  
 4880.0 E10 ULX USB 1-3-2004 Mon 0200 (BS4)  
 4880.0 E10 ULX 111 DSAEQ USB 1-3-2004 Mon 0230 (BS4)  
 4880.0 E10 ULX USB 2-3-2004 Tue 0230 (BS4)  
 4880.0 E10 ULX2 USB 2-3-2004 Tue 2200 (BS4)  
 4880.0 E10 ULX2 USB 3-3-2004 Wed 0200 (BS4)  
 4880.0 E10 ULX2 USB 4-3-2004 Thu 0400 (BS4)  
 4880.0 E10 ULX in tfc USB 5-3-2004 Fri 0200 (BS4)  
 4880.0 E10 ULX in tfc USB 5-3-2004 Fri 0400 (BS4)  
 4880.0 E10 ULX2 USB 5-3-2004 Fri 1900 (GG)  
 4880.0 E10 ULX 111 DSAEQ USB 5-3-2004 Fri 2000 (GG)  
 4880.0 E10 ULX 59 QBG?Q USB 8-3-2004 Mon 0030 (BS4)  
 4880.0 E10 ULX USB 8-3-2004 Mon 0200 (BS4)  
 4880.0 E10 ULX 111 DSAEQ USB 9-3-2004 Tue 0230 (BS4)  
 4880.0 E10 ULX USB 9-3-2004 Tue 0400 (BS4)  
 4880.0 E10 ULX USB 10-3-2004 Wed 0200 (BS4)  
 4880.0 E10 ULX USB 10-3-2004 Wed 0230 (BS4)  
 4880.0 E10 ULX 37 IAECD USB 18-3-2004 Thu 0030 (GG)  
 4880.0 E10 ULX 44 XALNG USB 19-3-2004 Fri 0030 (BS4)  
 4880.0 E10 ULX2 USB 20-3-2004 Sat 0330 (BS4)  
 4880.0 E10 ULX 44 XALNG USB 22-3-2004 Mon 0030 (BS4)  
 4880.0 E10 ULX 29 AONZA USB 23-3-2004 Tue 0230 (BS4)  
 4880.0 E10 fair/readable, ID is ULX, msg is 29 grps, first grp is  
     A USB 24-3-2004 Wed 0230 (CA2)  
 4880.0 E10 ULX2 USB 24-3-2004 Wed 0330 (BS4)  
 4880.0 E10 ULX 29 AONZA USB 28-3-2004 Sun 2000 (JS3)  
 4955 M45 555-382/31=39964 4555 stronger, //4555 CW 16-3-2004  
     Tue 1802 (HFD)  
 5017 M01 463 CW 4-3-2004 Thu 2000 (HFD)  
 5028 M10 CW 21-3-2004 1600 (FN)  
 5046 M10 ID 463/36 681/24 CW 22-3-2004 1500 (FN)  
 5046 M10 ID 681/24 463/36 CW 23-3-2004 1500 (FN)  
 5079 M10 ID 275/?? 049/?? 571/?? CW 21-3-2004 1630 (FN)  
 5079 M10 ID 275/34 049/40 435/29 CW 22-3-2004 1630 (FN)  
 5079 M10 ID 571/32 275/34 049/40 435/29 CW 24-3-2004 1630  
 5091.0 E10 JSR 100 OSRVV USB 2-3-2004 Tue 1900 (JAQ)  
 5091.0 E10 JSR 100 OSRVV USB 2-3-2004 Tue 1930 (JAQ)  
 5091.0 E10 JSR2 USB 2-3-2004 Tue 2000 (JAQ)  
 5091.0 E10 JSR 100 OSRVV USB 3-3-2004 Wed 1900 (JAQ)  
 5091.0 E10 JSR 25 CGMUV USB 3-3-2004 Wed 1930 (JAQ)  
 5091.0 E10 ART 2 msgs: ?? ?????/108 AQXEM USB 5-3-2004 Fri 1730  
     (GG)  
 5091.0 E10 JSR2 USB 5-3-2004 Fri 1800 (GG)  
 5091.0 E10 USB 5-3-2004 Fri 1900 (GG)  
 5091.0 E10 JSR2 USB 5-3-2004 Fri 2000 (GG)  
 5091.0 E10 JSR USB 6-3-2004 Sat 0330 (BS4)

5091.0 E10 JSR 24 SFHAR USB 9-3-2004 Tue 2230 (BS4)  
5091.0 E10 JSR USB 12-3-2004 Fri 2230 (BS4)  
5091.0 E10 JSR 2 msgs: 9 NIPCD, 36 VREQD USB 14-3-2004 Sun 1900 (JS3)  
5091.0 E10 JSR 2 msgs: 54 QG?Z?/? ???? USB 19-3-2004 Fri 1730 (GG)  
5091.0 E10 JSR 101 ??R?I USB 20-3-2004 Sat 0330 (BS4)  
5091.0 E10 JSR 101 JIRXI USB 24-3-2004 Wed 0330 (BS4)  
5154 MX Cluster beacon "C" CW 1-3-2004 Mon 2138 (AB)  
5170.0 E10 VLB2 USB 1-3-2004 Mon 0145 (BS4)  
5170.0 E10 VLB2 USB 2-3-2004 Tue 1945 (JAQ)  
5170.0 E10 VLB 25 QIIEV USB 3-3-2004 Wed 1945 (JAQ)  
5170.0 E10 VLB2 USB 14-3-2004 Sun 2045 (JS3)  
5230.0 E10 CI02 USB 1-3-2004 Mon 0145 (BS4)  
5230.0 E10 CI02 USB 2-3-2004 Tue 1945 (JAQ)  
5230.0 E10 CI02 USB 3-3-2004 Wed 1945 (JAQ)  
5288.0 M13 411 (R5) BT 259 20 BT CW 6-3-2004 Sat 0530 (MS)  
5288.0 M13 411 (R5) BT 259 20 BT CW 7-3-2004 Sun 0530 (MS)  
5301 S17C 57025, //8190 AM 2-3-2004 Tue 1250 (HFD)  
5301 S17C 70029, //8190 AM 3-3-2004 Wed 1250 (HFD)  
5301 S17C 67034, //8190 AM 6-3-2004 Sat 1250 (HFD)  
5301 S17C 70039, //8190 AM 8-3-2004 Mon 1250 (HFD)  
5301 S17C 70031, //8190 AM 11-3-2004 Thu 1250 (HFD)  
5301 S17C 78033, //8190 AM 12-3-2004 Fri 1250 (HFD)  
5301 S17C 87029, //8190 AM 14-3-2004 Sun 1250 (HFD)  
5301 S17C 89034, //8190 AM 18-3-2004 Thu 1250 (HFD)  
5301 S17C 87034, //8190 AM 19-3-2004 Fri 1250 (HFD)  
5301 S17C 62032, //8190 AM 21-3-2004 Sun 1250 (HFD)  
5301 S17C 81033, //8190 AM 24-3-2004 Wed 1250 (HFD)  
5301 S17C 77034, //8190 AM 27-3-2004 Sat 1250 (HFD)  
5301 S17C 70031, //8190 AM 28-3-2004 Sun 1250 (HFD)  
5301 S17C 79032, //8190 AM 30-3-2004 Tue 1250 (HFD)  
5301.0 S17c strong/readable on receiver in Sweden, null message  
USB 2-3-2004 Tue 1250 (CA2)  
5410 M51 NR 82 M 23 20:02:48 2004 = JENYM BGRPC ... DPCVM  
//4796.5 CW 23-3-2004 1903 (RGA)  
5417.0 V02a fair/readable, into message USB 12-3-2004 Fri 0200  
5435.0 E10 ART 91 DYGZN USB 1-3-2004 Mon 0200 (BS4)  
5435.0 E10 ART 121 EAZCJ//6986 USB 1-3-2004 Mon 0400 (BS4)  
5435.0 E10 ART2 USB 2-3-2004 Tue 1900 (JAQ)  
5435.0 E10 ART 122 AAAAA USB 2-3-2004 Tue 1930 (JAQ)  
5435.0 E10 ART 102 MASJB USB 2-3-2004 Tue 2000 (JAQ)  
5435.0 E10 ART2 USB 3-3-2004 Wed 0005 (BS4)  
5435.0 E10 ART 92 WIELE, 17 UWAHV USB 3-3-2004 Wed 0200 (BS4)  
5435.0 E10 ART2 USB 3-3-2004 Wed 1900 (JAQ)  
5435.0 E10 ART 122 AAAAA USB 3-3-2004 Wed 1930 (JAQ)  
5435.0 E10 ART 102 MASJB USB 3-3-2004 Wed 2000 (JAQ)  
5435.0 E10 ART 119 IFTVT//6986 USB 4-3-2004 Thu 0400 (BS4)

5435.0 E10 ART in tfc USB 5-3-2004 Fri 0200 (BS4)  
5435.0 E10 ART 120 IAIVP USB 5-3-2004 Fri 0400 (BS4)  
5435.0 E10 ART2 USB 5-3-2004 Fri 1800 (GG)  
5435.0 E10 ART2 USB 5-3-2004 Fri 1900 (GG)  
5435.0 E10 ART 102 MASJB (fast delivery) USB 5-3-2004 Fri 2000  
5435.0 E10 ART USB 8-3-2004 Mon 0200 (BS4)  
5435.0 E10 ART USB 8-3-2004 Mon 2300 (BS4)  
5435.0 E10 ART2//6986 USB 9-3-2004 Tue 0400 (BS4)  
5435.0 E10 ART 102 MASJB AM 10-3-2004 Wed 2000 (JS3)  
5435.0 E10 ART 93 LSZYZ USB 12-3-2004 Fri 0200 (BS4)  
5435.0 E10 ART2 USB 12-3-2004 Fri 2230 (BS4)  
5435.0 E10 ART//6986 USB 16-3-2004 Tue 0430 (BS4)  
5435.0 E10 ART2 USB 18-3-2004 Thu 2330 (BS4)  
5435.0 E10 ART2 USB 19-3-2004 Fri 0130 (BS4)  
5435.0 E10 ART 15 ???U? USB 19-3-2004 Fri 0200 (BS4)  
5435.0 E10 ART2 USB 19-3-2004 Fri 2330 (BS4)  
5435.0 E10 ART in tfc//6986 USB 23-3-2004 Tue 0430 (BS4)  
5435.0 E10 ART2 USB 23-3-2004 Tue 2330 (BS4)  
5435.0 E10 ART2 USB 24-3-2004 Wed 0000 (GG)  
5437.0 E10 ART 108 VGPJV USB 1-3-2004 Mon 0030 (GG)  
5437.0 E10 ART 3? 0???? USB 2-3-2004 Tue 0030 (GG)  
5437.0 E10 ART 33 OJOAX USB 6-3-2004 Sat 0030 (GG)  
5437.0 E10 ART 33 ????? USB 7-3-2004 Sun 0030 (GG)  
5437.0 E10 ART2 USB 15-3-2004 Mon 0030 (GG)  
5437.0 E10 ART2 USB 16-3-2004 Tue 0030 (GG)  
5437.0 E10 ART2 USB 19-3-2004 Fri 0030 (GG)  
5442 G06 947-621/43=34503 AM 12-3-2004 Fri 1930 (HFD)  
5465.8 MX Channel marker "R", Izhevsk CW 23-3-2004 1918 (RGA)  
5473.0 S17D first time i logged this on that frequency. AM  
24-3-2004 Wed 0421 (Red)  
5474 M01 463 CW 16-3-2004 Tue 1800 (HFD)  
5680 S06 624:0 AM 16-3-2004 Tue 1800 (HFD)  
5738 M01d 533 533 533 48054 48054 333 010 333 111 0 0 0 CW  
3-3-2004 1621 (FN)  
5738 M01d 533 533 533 48278 48278 R5 0 0 0 CW 24-3-2004  
1620 (FN)  
5746.0 E03 ID 00657 USB 4-3-2004 Thu 2100 (OV)  
5762.0 V02a i/p; poor quality AM 6-3-2004 Sat 0401 (BM)  
5820.0 E10 YHF 53 KYMLP USB 2-3-2004 Tue 1900 (JAQ)  
5820.0 E10 YHF 89 QNQKK, 39 QVYOR USB 2-3-2004 Tue 1930 (JAQ)  
5820.0 E10 YHF 98 EQVPL, 35 VHGBM USB 2-3-2004 Tue 2000 (JAQ)  
5820.0 E10 YHF 36 NKBUS USB 3-3-2004 Wed 1900 (JAQ)  
5820.0 E10 YHF 89 QNQKK, 39 QVYOR USB 3-3-2004 Wed 1930 (JAQ)  
5820.0 E10 YHF 36 NKBUS USB 5-3-2004 Fri 1900 (GG)  
5820.0 E10 YHF (TX stopped at 2007z) USB 5-3-2004 Fri 2000 (GG)  
5820.0 E10 YHF//3840 USB 9-3-2004 Tue 0400 (BS4)  
5820.0 E10 YHF USB 13-3-2004 Sat 2130 (BS4)  
5820.0 E10 YHF 38 HZ??? USB 18-3-2004 Thu 0400 (GG)

5820.0 E10 YHF 21 PVOUX//7918 USB 19-3-2004 Fri 0130 (BS4)  
5883.0 V02a A 56341 18632 85863 AM 6-3-2004 Sat 0500 (BM)  
5935 G06 579-621/43=34503 AM 11-3-2004 Thu 1830 (HFD)  
5940 M01 ...159 R? 582 582 33 33 = = 5FGx33 = = 582 582 33 33 0  
0 0 CW 18-3-2004 1607 (FN)  
5940 M01 ...159 R? 582 582 33 33 = = 5FGx33 = = 582 582 33 33 0  
0 0 CW 25-3-2004 1605 (FN)  
6250.0 XSL Japanese Naval PSK USB 6-3-2004 Sat 1433 (BM)  
6270.0 E10 ULX2 USB 1-3-2004 Mon 0100 (GG)  
6270.0 E10 ULX2 USB 2-3-2004 Tue 0100 (GG)  
6270.0 E10 ULX2 USB 2-3-2004 Tue 1930 (JAQ)  
6270.0 E10 ULX2 USB 3-3-2004 Wed 1930 (JAQ)  
6270.0 E10 ULX USB 5-3-2004 Fri 2300 (BS4)  
6270.0 E10 ULX2//7760 USB 7-3-2004 Sun 0100 (BS4)  
6270.0 E10 ULX2 USB 7-3-2004 Sun 0100 (GG)  
6270.0 E10 ULX 15 ZXWHY USB 8-3-2004 Mon 2300 (BS4)  
6270.0 E10 ULX2 USB 9-3-2004 Tue 0100 (GG)  
6270.0 E10 ULX2 USB 13-3-2004 Sat 0100 (GG)  
6270.0 E10 ULX2 USB 16-3-2004 Tue 0100 (GG)  
6270.0 E10 ULX2 USB 18-3-2004 Thu 0100 (GG)  
6270.0 E10 ULX2 USB 19-3-2004 Fri 0100 (GG)  
6327.0 M13 284 (R5) BT 234 2. BT (very weak) CW 19-3-2004 Fri  
2100 (MS)  
6417.0 XSL Japanese Naval PSK USB 6-3-2004 Sat 1436 (BM)  
6445.0 XSL Japanese Naval PSK USB 6-3-2004 Sat 1436 (BM)  
6498.0 E10 PCD 41 ????? USB 5-3-2004 Fri 0030 (BS4)  
6498.0 E10 PCD2 USB 6-3-2004 Sat 0330 (BS4)  
6498.0 E10 PCD2 USB 18-3-2004 Thu 0330 (GG)  
6498.0 E10 PCD in tfc USB 19-3-2004 Fri 0030 (BS4)  
6498.0 E10 PCD2 USB 20-3-2004 Sat 0330 (BS4)  
6498.0 E10 PCD2 USB 24-3-2004 Wed 0330 (BS4)  
6498.0 E10a PCD1 USB 19-3-2004 Fri 0330 (GG)  
6508 M01 463 CW 7-3-2004 Sun 0700 (HFD)  
6642.0 M13 284 (R5) BT 234 22 BT CW 6-3-2004 Sat 0500 (MS)  
6758.0 M08a //4485 CW 27-3-2004 Sat 0215 (DM)  
6768.0 M08a weak/partially readable, into message CW 15-3-2004 Mon  
0400 (CA2)  
6768.0 V02a i/p A 18663 \_\_\_\_\_ 77142 AM 1-3-2004 Mon 0402 (BM)  
6768.0 V02a strong/readable, ID is 05241 588621 55143 USB 8-3-2004  
Mon 0400 (CA2)  
6768.0 V02a i/p; mixing w/M8a (found) and another V2a (not found)  
in bg. AM 8-3-2004 Mon 0408 (BM)  
6768.0 V02a weak/readable, ID is 05242 05862 98131 USB 15-3-2004  
Mon 0400 (CA2)  
6768.0 V02a strong/readable, S9+10dB, ID is 30021 54431 98163,  
very USB 29-3-2004 Mon 0400 (CA2)  
6778.0 V02a i/p; new sked?; poor audio AM 23-3-2004 Tue 0510 (BM)  
6785 G06 308:0 AM 1-3-2004 Mon 2000 (HFD)



6796.0 M08 CW 10-3-2004 Wed 1200 (SCV)  
6796.0 M08 CW 12-3-2004 Fri 1200 (SCV)  
6797.0 M08a strong/readable, into message CW 1-3-2004 Mon 1200  
6797.0 M08a strong/readable, ID is 34812 68593 85733 CW 17-3-2004  
Wed 1200 (CA2)  
6797.0 M08a strong/readable, ID is ?9692 05933 21733 CW 24-3-2004  
Wed 1200 (CA2)  
6797.0 M08a strong/readable, into message CW 29-3-2004 Mon 1200  
6797.0 M08a strong/readable, a tad late, into message CW 31-3-2004  
Wed 1200 (CA2)  
6815 S06 624:0 AM 16-3-2004 Tue 1810 (HFD)  
6817 E07 418:1-3615/76= 03740 AM 22-3-2004 Mon 2140 (HFD)  
6818 E07 418:1-3067/45= 70332 AM 29-3-2004 Mon 2140 (HFD)  
6838 XP msg AM 16-3-2004 Tue 2140 (HFD)  
6840.0 E10 EZI//9130 USB 2-3-2004 Tue 0230 (BS4)  
6840.0 E10 EZI 12 CZWST, 54 PFMUE USB 2-3-2004 Tue 1900 (JAQ)  
6840.0 E10 EZI2 USB 2-3-2004 Tue 1930 (JAQ)  
6840.0 E10 EZI 71 FVWDT//9130 USB 2-3-2004 Tue 2200 (BS4)  
6840.0 E10 EZI2//9130 AM 3-3-2004 Wed 0200 (BS4)  
6840.0 E10 EZI 12 CZWSH, 54 PFMUE//9130 USB 3-3-2004 Wed 1900  
(JAQ)  
6840.0 E10 EZI2//9130 USB 3-3-2004 Wed 1930 (JAQ)  
6840.0 E10 EZI 7 ?????//9130 USB 3-3-2004 Wed 2000 (JAQ)  
6840.0 E10 EZI 2 msgs: 12 CZWSH/54 PFMUE USB 5-3-2004 Fri 1900  
(GG)  
6840.0 E10 EZI2//9130 USB 6-3-2004 Sat 0330 (BS4)  
6840.0 E10 EZI2//9130 USB 7-3-2004 Sun 0100 (BS4)  
6840.0 E10 EZI 70 ZQUZC, ?? ????? USB 7-3-2004 Sun 2330 (BS4)  
6840.0 E10 EZI 21 CSJLX//9130 USB 9-3-2004 Tue 0230 (BS4)  
6840.0 E10 EZI 57 JINDC//9130 USB 10-3-2004 Wed 0230 (BS4)  
6840.0 E10 EZI2/4461, 9130 AM 13-3-2004 Sat 2030 (JS3)  
6840.0 E10 EZI 72 QMUBU, 57 UIEJF//9130 rpt of 2000z 14 Mar USB  
14-3-2004 Sun 2200 (BS4)  
6840.0 E10 EZI 95 UXNWI, 8 FRQUZ//9130 USB 16-3-2004 Tue 0430  
(BS4)  
6840.0 E10 EZI 90 DVLKH USB 18-3-2004 Thu 2330 (BS4)  
6840.0 E10 EZI 50 YVXAF//9130 USB 19-3-2004 Fri 0130 (BS4)  
6840.0 E10 EZI 90 DVLKH USB 19-3-2004 Fri 2330 (BS4)  
6840.0 E10 //9130 Group 97 XCAZG USB 20-3-2004 Sat 0254 (DM)  
6840.0 E10 EZI2//9130 USB 20-3-2004 Sat 0330 (BS4)  
6840.0 E10 EZI ?? ?????, 39 GSIRH//9130 USB 23-3-2004 Tue 0230  
(BS4)  
6840.0 E10 EZI//9130 USB 23-3-2004 Tue 0430 (BS4)  
6840.0 E10 EZI 90 DVLKH USB 23-3-2004 Tue 2330 (BS4)  
6840.0 E10 EZI2//9130 USB 24-3-2004 Wed 0330 (BS4)  
6840.0 E10 Group 97 XCAZG AXGFZ USB 27-3-2004 Sat 0230 (DM)  
6840.0 E10 EZI2 USB 30-3-2004 Tue 1930 (JS3)  
6840.0 E10a EZI1 USB 5-3-2004 Fri 1800 (GG)

6840.0 XP Russian Polytone with the same msg as 21.00 and 21.20  
UTC: ID AM 18-3-2004 Thu 2140 (JS3)

6855.0 V02a Extremely faint; under WYFR Okeechobee AM 1-3-2004 Mon  
0340 (BM)

6855.0 V02a weak/mostly readable, into message, under BC station  
USB 8-3-2004 Mon 0300 (CA2)

6855.0 V02a i/p AM 8-3-2004 Mon 0328 (BM)

6855.0 V02a fair/readable, into message USB 15-3-2004 Mon 0300

6855.0 V02a weak/sorta readable, into message USB 22-3-2004 Mon  
0300 (CA2)

6855.0 V02a weak/mostly readable, into message USB 29-3-2004 Mon  
0300 (CA2)

6884.0 M13 272 (R5) BT 278 22 BT CW 16-3-2004 Tue 2200 (MS)

6933.0 M08a ID 02862 03263 67853 CW 6-3-2004 Sat 1200 (MS)

6933.0 M08a strong/readable, into message CW 9-3-2004 Tue 1200

6933.0 M08a strong/readable, into message CW 11-3-2004 Thu 1200

6933.0 M08a strong/readable, ID is 34811 68592 85732 CW 16-3-2004  
Tue 1200 (CA2)

6933.0 M08a strong/readable, ID is 34813 38481 89691 CW 18-3-2004  
Thu 1200 (CA2)

6933.0 M08a strong/readable, ID is 89691 05932 21372 CW 23-3-2004  
Tue 1200 (CA2)

6933.0 M08a strong/readable, ID is 89693 05934 21374 CW 25-3-2004  
Thu 1200 (CA2)

6933.0 M08a strong/readable, into message CW 30-3-2004 Tue 1200

6934 E07 913:0 AM 3-3-2004 Wed 0610 (HFD)

6934.0 E07 fair/readable on receiver in Sweden, ID is 913, null  
mess AM 5-3-2004 Fri 0610 (CA2)

6934.0 E07 fair/readable on rcvr in Sweden, calling 913, null  
messag AM 12-3-2004 Fri 0610 (CA2)

6934.0 E07 fair/readable on rcvr in Sweden, ID is 913, null  
message AM 26-3-2004 Fri 0600 (CA2)

6959.0 E03 fair/readable on rcvr in Sweden, ID is 20902 USB  
18-3-2004 Thu 1900 (CA2)

6975 M13 261 R5 = 278 26 = 261x12 = 278 26 = 5FGx26(rep) CW  
22-3-2004 2100 (FN)

6986.0 E10 ART 121 EAZCJ//5435 USB 1-3-2004 Mon 0400 (BS4)

6986.0 E10 ART 119 IFTVT//5435 AM 4-3-2004 Thu 0400 (BS4)

6986.0 E10 ART2//5435 USB 9-3-2004 Tue 0400 (BS4)

6986.0 E10 ART//5435 USB 16-3-2004 Tue 0430 (BS4)

6986.0 E10 ART in tfc//5435 USB 23-3-2004 Tue 0430 (BS4)

7320.0 M08a strong/readable, into message CW 1-3-2004 Mon 1300

7320.0 M08a very strong/readable, into message CW 3-3-2004 Wed  
1300 (CA2)

7320.0 M08a strong/readable, ID is 02863 56851 08801 CW 8-3-2004  
Mon 1300 (CA2)

7320.0 M08a strong/unreadable, bad hum on carrier, i/p CW  
15-3-2004 Mon 1300 (CA2)

7320.0 M08a strong/readable, ID is 34812 78593 85733 CW 17-3-2004 Wed 1300 (CA2)  
7320.0 M08a strong/readable, ID is ?5553 05931 81371 CW 22-3-2004 Mon 1300 (CA2)  
7320.0 M08a strong/readable, ID is ?9692 05933 21373 CW 24-3-2004 Wed 1300 (CA2)  
7320.0 M08a strong/readable, into message CW 26-3-2004 Fri 1300  
7320.0 M08a strong/readable, into message CW 29-3-2004 Mon 1300  
7320.0 M08a strong/readable, into message CW 31-3-2004 Wed 1300  
7431.0 M13 254 (R5) BT 244 20 BT CW 17-3-2004 Wed 2200 (MS)  
7432.0 M13 254 (R5) BT 244 20 BT CW 4-3-2004 Thu 2200 (MS)  
7519.0 M08a strong/readable, into message CW 1-3-2004 Mon 1300  
7519.0 M08a ID 20335 22611 94041 (Bdcst Stn right on top of M8a. 90% sur CW 1-3-2004 Mon 2200 (MS)  
7519.0 M08a ID 61002 62613 94043 CW 3-3-2004 Wed 2200 (MS)  
7519.0 M08a ID 22601 03452 99782 CW 5-3-2004 Fri 2200 (MS)  
7519.0 M08a strong/readable, ID is 39502 23811 74541 CW 8-3-2004 Mon 1300 (CA2)  
7519.0 M08a fair/readable, ID is 95681 24302 67702 CW 15-3-2004 Mon 2200 (CA2)  
7519.0 M08a ID 55683 ----- (in progress) CW 17-3-2004 Wed 2200 (MS)  
7519.0 M08a fair/readable, ID is 95683 74781 31941 CW 17-3-2004 Wed 2200 (CA2)  
7519.0 M08a ID 74702 74783 31943 CW 19-3-2004 Fri 2200 (MS)  
7519.0 M08a strong/readable, ID is 10813 69332 8?012 CW 22-3-2004 Mon 1300 (CA2)  
7519.0 M08a fair/readable, ID is 74703 11951 92581 CW 22-3-2004 Mon 2200 (CA2)  
7519.0 M08a strong/readable, into message CW 24-3-2004 Wed 2200  
7519.0 M08a fair/readable, ID is 64731 15172 30122 CW 29-3-2004 Mon 2200 (CA2)  
7519.0 M08a fair/readable, ID is 64733 15174 30124 CW 31-3-2004 Wed 2200 (CA2)  
7525.0 M08a fair/readable, off at 22:28z CW 9-3-2004 Tue 2200  
7526.0 M08a fair/readable, ID is 28701 11952 92582 CW 23-3-2004 Tue 2200 (CA2)  
7526.0 M08a fair/readable, ID is 64732 15173 30123 CW 30-3-2004 Tue 2200 (CA2)  
7540.0 E10 JSR USB 14-3-2004 Sun 2030 (BS4)  
7555.0 M08a strong/readable, into message CW 26-3-2004 Fri 0800  
7608 XP msg AM 4-3-2004 Thu 2120 (HFD)  
7608 XP msg AM 11-3-2004 Thu 2120 (HFD)  
7608 XP msg AM 16-3-2004 Tue 2120 (HFD)  
7608.0 XP Russian Polytone with msg, ID168, dk/gc 06215/00161 (repeat o AM 18-3-2004 Thu 2120 (JS3)  
7680.0 X06 Rarer tone sequence, but not unknown for me. Signal was VERY AM 18-3-2004 Thu 2109 (JS3)

7682.0 M08a i/p CW 7-3-2004 Sun 0801 (BM)  
7721 E06 834 AM 26-3-2004 2120 (JS3)  
7746 M10 ID 571/32 275/34 049/40 435/29 CW 24-3-2004 1630  
7760.0 E10 ULX2//6270 USB 7-3-2004 Sun 0100 (BS4)  
7760.0 E10 ULX2 USB 16-3-2004 Tue 0430 (BS4)  
7760.0 E10 ULX2 USB 23-3-2004 Tue 0430 (BS4)  
7800.0 XPH Analog readout, frequency approx. In progress at start  
time. USB 26-3-2004 Fri 0016 (DPS)  
7820.0 X06 5 minutes transmission, after that the signal stopped,  
but th AM 9-3-2004 Tue 2000 (JS3)  
7840 E06 569:0 AM 17-3-2004 Wed 2100 (HFD)  
7890.0 M08a strong/readable, ID is 24701 67132 28992 CW 2-3-2004  
Tue 1300 (CA2)  
7890.0 M08a ID 02862 03263 67853 (rpt of 1200z on 6933m) CW  
6-3-2004 Sat 1300 (MS)  
7890.0 M08a strong/readable, ID is 49341 56852 08802 CW 9-3-2004  
Tue 1300 (CA2)  
7890.0 M08a strong/readable, ID is 34811 68592 85732, rpt of 1200z  
o CW 16-3-2004 Tue 1300 (CA2)  
7890.0 M08a strong/readable, ID is 34813 38481 89691 CW 18-3-2004  
Thu 1300 (CA2)  
7890.0 M08a strong/readable, ID is 89691 05932 21372, rpt of 1200z  
o CW 23-3-2004 Tue 1300 (CA2)  
7890.0 M08a strong/readable, ID is 89693 05934 21374, rpt or 1200z  
o CW 25-3-2004 Thu 1300 (CA2)  
7890.0 M08a strong/readable, ID is 99009 10181 ????? CW 30-3-2004  
Tue 1300 (CA2)  
7918.0 E10 YHF2//9202 USB 1-3-2004 Mon 0200 (BS4)  
7918.0 E10 YHF 98 EQVPL, ?? ?????//9202 USB 3-3-2004 Wed 0200  
(BS4)  
7918.0 E10 YHF 98 EQVPL//9202 USB 5-3-2004 Fri 0200 (BS4)  
7918.0 E10 YHF 74 AQCLW USB 5-3-2004 Fri 1800 (GG)  
7918.0 E10 YHF (TX stopped at 2007z) USB 5-3-2004 Fri 2000 (GG)  
7918.0 E10 YHF 16 ELONL//9202 USB 6-3-2004 Sat 0200 (BS4)  
7918.0 E10 YHF 41 NUIKM USB 6-3-2004 Sat 2030 (BS4)  
7918.0 E10 YHF 86 EMAW?//9202 USB 8-3-2004 Mon 0200 (BS4)  
7918.0 E10 YHF 96 CIKJL, ?? ?????//9202 USB 10-3-2004 Wed 0200  
(BS4)  
7918.0 E10 YHF 96 CIKJL, ?? ????? USB 12-3-2004 Fri 0200 (BS4)  
7918.0 E10 YHF 41 NUIKM//9202 USB 14-3-2004 Sun 2030 (BS4)  
7918.0 E10 YHF 13 WWQZO//9202, 10648 USB 16-3-2004 Tue 0430 (BS4)  
7918.0 E10 YHF 21 PVOUX//5820 USB 19-3-2004 Fri 0130 (BS4)  
7918.0 E10 YHF2 USB 19-3-2004 Fri 0200 (BS4)  
7918.0 E10 fair/readable, into message USB 22-3-2004 Mon 0200  
7918.0 E10 YHF//9202, 10648 USB 23-3-2004 Tue 0430 (BS4)  
8009.0 M08a ID 61003 03451 99781 CW 4-3-2004 Thu 2200 (MS)  
8009.0 M08a fair/readable, ID is 95681 24302 67702, rpt of 2200z  
on CW 15-3-2004 Mon 2300 (CA2)

8009.0 M08a strong/readable, into message CW 25-3-2004 Thu 2200  
8010.0 V02a i/p AM 5-3-2004 Fri 0605 (BM)  
8010.0 V02a fair/readable, ID is 71972 02971 88774 USB 26-3-2004  
Fri 0600 (CA2)  
8056 M12 ...5FG...(pause) 0 0 0 0 0 0 CW 24-3-2004 0736 (FN)  
8096.0 M08a V2a or V2 (not found) mixing in bg; poor freq  
stability. CW 7-3-2004 Sun 0701 (BM)  
8096.0 M08a i/p CW 8-3-2004 Mon 0504 (BM)  
8097.0 V02a i/p; A \_\_\_\_\_ 32221 \_\_\_\_\_ AM 4-3-2004 Thu 0521 (BM)  
8097.0 V02a i/p AM 4-3-2004 Thu 0639 (BM)  
8097.0 V02a i/p; distorted V2a in LSB mode. DGI operatives showing  
insuff LSB 7-3-2004 Sun 0808 (BM)  
8097.0 V02a i/p AM 11-3-2004 Thu 0627 (BM)  
8103.0 E07 fair/readable on receiver in Sweden, ID is 913, null  
mess AM 5-3-2004 Fri 0630 (CA2)  
8103.0 E07 fair/readable on rcvr in Sweden, calling 913, null  
messag AM 12-3-2004 Fri 0630 (CA2)  
8124.0 X06 AM 13-3-2004 Sat 0550 (JS3)  
8135.0 M08 CW 13-3-2004 Sat 1100 (SCV)  
8135.0 M08a ID 61003 03451 99781 (rpt of 2200z on 8009m) CW  
4-3-2004 Thu 2300 (MS)  
8135.0 M08a ID 22601 03452 99782 (rpt of 2200z on 7519m) CW  
5-3-2004 Fri 2300 (MS)  
8135.0 M08a fair/unreadable, hum on carrier, i/p CW 16-3-2004 Tue  
2300 (CA2)  
8135.0 M08a ID 74702 74783 31943 (rpt of 2200z on 7519m) CW  
19-3-2004 Fri 2300 (MS)  
8135.0 M08a fair/readable, ID is 28701 11952 92582 CW 23-3-2004  
Tue 2300 (CA2)  
8136.0 M08a i/p CW 5-3-2004 Fri 0710 (BM)  
8136.0 M08a ID 23783 29072 77793 CW 6-3-2004 Sat 1100 (MS)  
8136.0 M08a ID 95472 87091 30861 CW 7-3-2004 Sun 1000 (MS)  
8136.0 V02a i/p AM 7-3-2004 Sun 0906 (BM)  
8150 E06 690:0 AM 14-3-2004 Sun 1830 (HFD)  
8175 S10D 555:785-52/38= 15967 AM 6-3-2004 Sat 1520 (HFD)  
8175 S10D 555:478-39/19= 54318 AM 27-3-2004 Sat 1520 (HFD)  
8182.0 M13 757 (R5) BT 259 20 BT CW 19-3-2004 Fri 2245 (MS)  
8183.0 M13 757 (R5) BT 259 20 BT CW 5-3-2004 Fri 2245 (MS)  
8185 E07 418:1-3615/76= 03740 AM 22-3-2004 Mon 2120 (HFD)  
8185 E07 418:1-3067/45= 70332 AM 29-3-2004 Mon 2120 (HFD)  
8190 M10 ID 731/30 225/35 CW 24-3-2004 0800 (FN)  
8190 S17C 57025, //5301 AM 2-3-2004 Tue 1250 (HFD)  
8190 S17C 70029, //5301 AM 3-3-2004 Wed 1250 (HFD)  
8190 S17C 67034, //5301 AM 6-3-2004 Sat 1250 (HFD)  
8190 S17C 70039, //5301 AM 8-3-2004 Mon 1250 (HFD)  
8190 S17C 70031, //5301 AM 11-3-2004 Thu 1250 (HFD)  
8190 S17C 78033, //5301 AM 12-3-2004 Fri 1250 (HFD)  
8190 S17C 87029, //5301 AM 14-3-2004 Sun 1250 (HFD)

8190	S17C	89034, //5301 AM 18-3-2004 Thu 1250 (HFD)
8190	S17C	87034, //5301 AM 19-3-2004 Fri 1250 (HFD)
8190	S17C	62032, //5301 AM 21-3-2004 Sun 1250 (HFD)
8190	S17C	81033, //5301 AM 24-3-2004 Wed 1250 (HFD)
8190	S17C	77034, //5301 AM 27-3-2004 Sat 1250 (HFD)
8190	S17C	70031, //5301 AM 28-3-2004 Sun 1250 (HFD)
8190	S17C	79032, //5301 AM 30-3-2004 Tue 1250 (HFD)
8190.0	S17c	fair/readable on receiver in Sweden, null message USB 2-3-2004 Tue 1250 (CA2)
8314.0	XSL	Japanese Naval PSK USB 6-3-2004 Sat 1448 (BM)
8495.4	MX	Cluster beacon "K" CW 24-3-2004 2032 (PP)
8700.0	V02a	Analog readout frequency approx. In progress at start time. AM 27-3-2004 Sat 0002 (DPS)
8805.0	E10	PCD USB 23-3-2004 Tue 0430 (BS4)
9061.0	M08a	i/p CW 3-3-2004 Wed 0506 (BM)
9061.0	M08a	i/p CW 18-3-2004 Thu 0416 (BM)
9062.0	M08a	i/p CW 5-3-2004 Fri 0522 (BM)
9062.0	M08a	ID _____ TGITA IIIMD CW 7-3-2004 Sun 0500 (BM)
9062.0	M08a	i/p CW 10-3-2004 Wed 0526 (BM)
9063.0	V02a	i/p AM 5-3-2004 Fri 0707 (BM)
9063.0	V02a	strong/readable, into message USB 26-3-2004 Fri 0700
9075.5	M51	NR 03 M 0902:13:35 2004 BT CW 9-3-2004 Tue 0112 (JPL)
9130.0	E10	EZI2 USB 1-3-2004 Mon 0200 (BS4)
9130.0	E10	EZI 15 TCVXL USB 1-3-2004 Mon 0230 (BS4)
9130.0	E10	EZI//6840 USB 2-3-2004 Tue 0230 (BS4)
9130.0	E10	EZI 71 FVWDT USB 2-3-2004 Tue 2000 (JAQ)
9130.0	E10	EZI 71 FVWDT//6840 USB 2-3-2004 Tue 2200 (BS4)
9130.0	E10	EZI2//6840 USB 3-3-2004 Wed 0200 (BS4)
9130.0	E10	EZI 12 CZWSH, 54 PFMUE//6840 USB 3-3-2004 Wed 1900 (JAQ)
9130.0	E10	EZI2//6840 USB 3-3-2004 Wed 1930 (JAQ)
9130.0	E10	EZI 7 ?????//6840 USB 3-3-2004 Wed 2000 (JAQ)
9130.0	E10	EZI 2 msgs: 12 CZWSH/54 PFMUE USB 5-3-2004 Fri 1900 (GG)
9130.0	E10	EZI 71 FVWDT USB 5-3-2004 Fri 2000 (GG)
9130.0	E10	EZI2//6840 USB 6-3-2004 Sat 0330 (BS4)
9130.0	E10	EZI2//6840 USB 7-3-2004 Sun 0100 (BS4)
9130.0	E10	EZI2 USB 8-3-2004 Mon 0200 (BS4)
9130.0	E10	EZI 21 CSJLX//6840 USB 9-3-2004 Tue 0230 (BS4)
9130.0	E10	EZI in tfc USB 9-3-2004 Tue 2230 (BS4)
9130.0	E10	EZI2 USB 10-3-2004 Wed 0200 (BS4)
9130.0	E10	EZI 57 JINDC//6840 USB 10-3-2004 Wed 0230 (BS4)
9130.0	E10	EZI 109 EBWYH USB 12-3-2004 Fri 2230 (BS4)
9130.0	E10	EZI2/4461, 6840 AM 13-3-2004 Sat 2030 (JS3)
9130.0	E10	EZI USB 13-3-2004 Sat 2130 (BS4)
9130.0	E10	EZI2 USB 14-3-2004 Sun 1930 (BS4)
9130.0	E10	EZI ?? QMUBU, 57 ????? USB 14-3-2004 Sun 2000 (BS4)
9130.0	E10	EZI 72 QMUBU, 57 UIJF//6840 rpt of 2000z 14 Mar USB

14-3-2004 Sun 2200 (BS4)

9130.0 E10 EZI 95 UXNWI, 8 FRQUZ//6840 USB 16-3-2004 Tue 0430 (BS4)

9130.0 E10 EZI 50 YVXAF//6840 USB 19-3-2004 Fri 0130 (BS4)

9130.0 E10 EZI2 USB 19-3-2004 Fri 0200 (BS4)

9130.0 E10 //6840 Group 97 XCAZG USB 20-3-2004 Sat 0254 (DM)

9130.0 E10 EZI2//6840 USB 20-3-2004 Sat 0330 (BS4)

9130.0 E10 EZI 9? ?????, ?? ?????//13533 USB 21-3-2004 Sun 0330 (BS4)

9130.0 E10 EZI 96 QFUPA, ?? ?????//13533 USB 21-3-2004 Sun 2000 (BS4)

9130.0 E10 EZI USB 21-3-2004 Sun 2030 (BS4)

9130.0 E10 fair/readable, into message USB 22-3-2004 Mon 0300

9130.0 E10 EZI ?? ?????, 39 GSIRH//6840 USB 23-3-2004 Tue 0230 (BS4)

9130.0 E10 EZI//6840 USB 23-3-2004 Tue 0430 (BS4)

9130.0 E10 EZI2//6840 USB 24-3-2004 Wed 0330 (BS4)

9130.0 E10 Group 24 EUGQD ZATCE USB 27-3-2004 Sat 0300 (DM)

9130.0 E10a EZI1 USB 5-3-2004 Fri 1800 (GG)

9139 XP msg AM 4-3-2004 Thu 2100 (HFD)

9139 XP msg AM 11-3-2004 Thu 2100 (HFD)

9139 XP msg AM 16-3-2004 Tue 2100 (HFD)

9140.0 XP Russian Polytone with msg, ID168, dk/gc 06215/00161 AM 18-3-2004 Thu 2100 (JS3)

9152.0 M08a ID 23783 29072 77793 (rpt of 1100z on 8136m) CW 6-3-2004 Sat 1200 (MS)

9153.0 V02a i/p; new sked? AM 5-3-2004 Fri 0519 (BM)

9153.0 V02a i/p AM 8-3-2004 Mon 0505 (BM)

9153.0 V02a strong/readable, into message USB 26-3-2004 Fri 1300

9202.0 E10 YHF2//7918 USB 1-3-2004 Mon 0200 (BS4)

9202.0 E10 YHF 98 EQVPL, ?? ?????//7918 USB 3-3-2004 Wed 0200 (BS4)

9202.0 E10 YHF 98 EQVPL//7918 USB 5-3-2004 Fri 0200 (BS4)

9202.0 E10 YHF 16 ELONL//7918 USB 6-3-2004 Sat 0200 (BS4)

9202.0 E10 YHF 86 EMAW?//7918 USB 8-3-2004 Mon 0200 (BS4)

9202.0 E10 YHF 96 CIKJL, ?? ?????//7918 USB 10-3-2004 Wed 0200 (BS4)

9202.0 E10 YHF 41 NUIKM//7918 USB 14-3-2004 Sun 2030 (BS4)

9202.0 E10 YHF 13 WWQZO//7918, 10648 USB 16-3-2004 Tue 0430 (BS4)

9202.0 E10 YHF 77 ZAG?? USB 21-3-2004 Sun 2030 (BS4)

9202.0 E10 fair/readable, into message USB 22-3-2004 Mon 0200

9202.0 E10 YHF//7918, 10648 USB 23-3-2004 Tue 0430 (BS4)

9220 S06 "Tri siem adiot" x3 "No1" x5 AM 10-3-2004 1230 (MG)

9238.0 M08a ID 95472 87091 30861 (rpt of 1000z on 8136m) CW 7-3-2004 Sun 1100 (MS)

9251.0 E03 weak/readable, ID is 67687 USB 17-3-2004 Wed 2200

9251.0 E03 fair/readable on rcvr in Sweden, ID is 20902 USB 18-3-2004 Thu 1900 (CA2)

9323.0 M08a ID 46671 08393 96192 CW 6-3-2004 Sat 1000 (MS)  
 9323.0 M08a i/p CW 7-3-2004 Sun 0902 (BM)  
 9323.0 V02a i/p; A 26063 \_\_\_\_\_; new sked? AM 5-3-2004 Fri  
 0603 (BM)  
 9323.0 V02a i/p; new sked?; A \_\_\_\_\_ 32021 56561 AM 8-3-2004 Mon  
 0608 (BM)  
 9323.0 V02a i/p AM 18-3-2004 Thu 0407 (BM)  
 9323.0 V02a missed callup AM 31-3-2004 Wed 0400 (JK)  
 9330.0 M08a i/p CW 3-3-2004 Wed 0426 (BM)  
 9330.0 M08a i/p CW 8-3-2004 Mon 0414 (BM)  
 9331.0 V02a A 46102 56342 20622; repeat of 0500/10446 sked AM  
 8-3-2004 Mon 0600 (BM)  
 9420 E07 418, under Vo Greece AM 22-3-2004 Mon 2100 (HFD)  
 9420 E07 418:1-3067/45= 70332, under Vo Greece AM 29-3-2004 Mon  
 2100 (HFD)  
 9846 M87 249 249 249 000 000 t t t CW 18-3-2004 0130 (IB)  
 10046.0 M22 4XZ; Israeli Navy; Haifa CW 3-3-2004 Wed 0342 (BM)  
 10119.0 M08a i/p CW 3-3-2004 Wed 0504 (BM)  
 10119.0 M08a CW 10-3-2004 Wed 0527 (BM)  
 10125 E11 232/00 AM 11-3-2004 0800 (PB)  
 10125.0 M08a very weak/mostly unreadable, i/p CW 16-3-2004 Tue 0300  
 (CA2)  
 10126.0 M08a (in progress) ----- 23472 CW 6-3-2004 Sat 0900  
 10214.0 M13 253 (R5) BT 237 .. BT (very weak, hard to copy) CW  
 18-3-2004 Thu 2100 (MS)  
 10214.0 M13 253 (R5) BT 237 22 BT CW 19-3-2004 Fri 2100 (MS)  
 10234.0 M08a i/p; mixing with V2a; intermittent carrier with V2a in  
 USB mo CW 3-3-2004 Wed 0427 (BM)  
 10234.0 M08a fair/readable, into message CW 17-3-2004 Wed 0400  
 10235.0 M08a Cuban Intel; faint CW 7-3-2004 Sun 0400 (BM)  
 10236.0 M08a i/p CW 7-3-2004 Sun 0801 (BM)  
 10344.0 M08a ID (in progress) ----- 16111 CW 6-3-2004 Sat  
 10426.0 E03 fair/readable, ID is 67416 USB 15-3-2004 Mon 2200  
 10426.0 E03 weak/readable, ID is 12115 USB 30-3-2004 Tue 2200  
 10446.0 M08a fair/readable, i/p, drifting CW 18-3-2004 Thu 0300  
 10446.0 M08a weak/readable, into message CW 26-3-2004 Fri 0800  
 10446.0 V02a i/p; QRM from MIL-STD-188-141A ALE AM 3-3-2004 Wed  
 0336 (BM)  
 10446.0 V02a weak/readable, into message, no carrier USB 8-3-2004  
 Mon 0300 (CA2)  
 10446.0 V02a i/p AM 8-3-2004 Mon 0330 (BM)  
 10446.0 V02a i/p; A \_\_\_\_\_ 20622 AM 8-3-2004 Mon 0500 (BM)  
 10446.0 V02a weak/readable, into message USB 15-3-2004 Mon 0300  
 10446.0 V02a weak/readable, into message USB 17-3-2004 Wed 0300  
 10446.0 V02a fair/readable, into message USB 22-3-2004 Mon 0300  
 10446.0 V02a very weak/mostly unreadable, i/p USB 24-3-2004 Wed  
 0300 (CA2)  
 10446.0 V02a i/p AM 24-3-2004 Wed 0333 (BM)



10446.0 V02a strong/readable, ID is ????? 56931 ????? USB 29-3-2004  
 Mon 0300 (CA2)  
 10446.0 V02a weak/partially readable, into message USB 31-3-2004  
 Wed 0300 (CA2)  
 10474.5 M13 = 234 20 = 5FGx20(rep) = 0 0 0 CW 17-3-2004 0740 (FN)  
 10518 M87 651 651 651 651 651 651 651 651 651 651 000 CW  
 31-3-2004 2300 (IB)  
 10648.0 E10 YHF 74 AQCLW USB 5-3-2004 Fri 1800 (GG)  
 10648.0 E10 YHF 13 WWQZ0//7918, 9202 USB 16-3-2004 Tue 0430 (BS4)  
 10648.0 E10 YHF 7918, 9202 USB 23-3-2004 Tue 0430 (BS4)  
 10714.0 M08a strong/readable, ID is 75612 ????? ????? CW 30-3-2004  
 Tue 0200 (CA2)  
 10872.5 MX Cluster bacon "M" CW 24-3-2004 2024 (PP)  
 10923 XP msg AM 16-3-2004 Tue 0700 (HFD)  
 10923.0 XP Russian Polytone; extremely faint USB 5-3-2004 Fri  
 10923.0 XP strong/readable on receiver in Sweden, ID is 915 AM  
 5-3-2004 Fri 0700 (CA2)  
 10923.0 XP fair/readable on rcvr in Sweden, ID is 915, null  
 message AM 9-3-2004 Tue 0700 (CA2)  
 10923.0 XP strong/readable on rcvr in Sweden, ID is 915, message  
 AM 12-3-2004 Fri 0700 (CA2)  
 10923.0 XP strong/readable on rcvr in Sweden, ID is 915 AM  
 23-3-2004 Tue 0700 (CA2)  
 10923.0 XP weak/readable in the US, ID is 915 AM 23-3-2004 Tue  
 0700 (CA2)  
 10923.0 XP strong/readable on rcvr in Sweden, ID is 915, 305 grp  
 msg AM 26-3-2004 Fri 0700 (CA2)  
 10923.0 XP weak/readable here in the US, ID is 915, 305 grp msg  
 AM 26-3-2004 Fri 0700 (CA2)  
 10923.0 XP weak/readable, ID is 915, dk/gc 03498/0277 AM  
 30-3-2004 Tue 0700 (CA2)  
 10923.0 XP XP, very strong/readable, ID is 915, dk/gc 03498/0277  
 AM 30-3-2004 Tue 0700 (CA2\*)  
 10926.0 M13 261 (R5) BT 278 21 BT (very weak signal) CW 21-3-2004  
 Sun 2000 (MS)  
 10926.0 M13 261 (R5) BT 278 21 BT (rpt of 2000z on 10926)(very  
 weak signa CW 21-3-2004 Sun 2100 (MS)  
 11116 E11 235/67 attention 18655... 5F attention AM 5-3-2004 Fri  
 0800 (HFD)  
 11116.0 E11 weak/mostly readable on receiver in Sweden, ID is 235,  
 p USB 5-3-2004 Fri 0800 (CA2)  
 11116.0 E11 fair/readable on rcvr in Sweden, ID is 232, null  
 message USB 12-3-2004 Fri 0800 (CA2)  
 11250 M87 945 945 945 945 945 945 945 945 333 CW 19-3-2004 0630  
 (IB)  
 11431.0 M08a i/p CW 23-3-2004 Tue 0515 (BM)  
 11545 E03 LP in progress USB 27-3-2004 2235 (SP1)  
 11545.0 E03 58493 USB 5-3-2004 Fri 1900 (GG)

11545.0 E03 i/p; id 61778; // 12603 USB 6-3-2004 Sat 1502 (BM)  
11545.0 E03 id 76855 // 12603 USB 7-3-2004 Sun 1500 (BM)  
11545.0 E03 fair/readable, ID is 67416 USB 15-3-2004 Mon 2200  
11545.0 E03 fair/readable on rcvr in Sweden, ID is 20902 USB  
18-3-2004 Thu 1900 (CA2)  
11545.0 E03 67416 USB 19-3-2004 Fri 1700 (GG)  
11545.0 E03 fair/readable, ID is 67416 USB 22-3-2004 Mon 2200  
11545.0 E03 fair/readable, ID is 67416 USB 29-3-2004 Mon 2200  
11565.0 E10 fair/readable, ID is EZI, 1st grp is EUGQD of 24 grp  
msg USB 26-3-2004 Fri 0300 (CA2)  
11565.0 M08a i/p; poor frequency stability CW 6-3-2004 Sat 0402  
11565.0 M08a i/p CW 18-3-2004 Thu 0408 (BM)  
12119.0 M08a weak/unreadable, covered by RTTY, i/p CW 23-3-2004 Tue  
0100 (CA2)  
12119.0 M08a strong/readable, into message CW 30-3-2004 Tue 0100  
12123 XP msg AM 16-3-2004 Tue 0720 (HFD)  
12123.0 XP fair/readable on rcvr in Sweden, ID is 915, null  
message AM 9-3-2004 Tue 0720 (CA2)  
12123.0 XP strong/readable on rcvr in Sweden, ID is 915, message  
AM 12-3-2004 Fri 0720 (CA2)  
12123.0 XP strong/readable on rcvr in Sweden, ID is 915 AM  
23-3-2004 Tue 0720 (CA2)  
12123.0 XP strong/readable on rcvr in Sweden, ID is 915, 305 grp  
msg AM 26-3-2004 Fri 0720 (CA2)  
12123.0 XP very weak/readable here in the US, ID is 915, 305 grp  
msg AM 26-3-2004 Fri 0720 (CA2)  
12123.0 XP XP, very strong/readable, ID is 915, dk/gc 03498/0277  
AM 30-3-2004 Tue 0720 (CA2\*)  
12123.0 XP very weak/partially unheard, ID is 915, dk/gc  
03498/0277 AM 30-3-2004 Tue 0720 (CA2)  
12165.0 V02a weak/mostly unreadable, i/p USB 22-3-2004 Mon 0200  
12180.0 V02a weak/mostly readable, i/p USB 31-3-2004 Wed 0200 (CA2)  
12190 S06 126 AM 16-3-2004 Tue 1730 (HFD)  
12190 S06 671:0 AM 27-3-2004 Sat 1700 (HFD)  
12215.0 V02a weak/readable, into message USB 12-3-2004 Fri 0200  
12215.0 V02a weak/readable, i/p USB 16-3-2004 Tue 0200 (CA2)  
12215.0 V02a USB 22-3-2004 Mon 0200 (JK)  
12215.0 V02a weak/readable, into message USB 23-3-2004 Tue 0200  
12215.0 V02a weak/readable, ID is 51082 61153 57603 USB 30-3-2004  
Tue 0200 (CA2)  
12217 E07 283 2 283 283 283 2 283 repeated AM 14-3-2004 1800  
12603.0 E03 Lincolnshire Poacher; very faint AM 5-3-2004 Fri 0000  
12603.0 E03 i/p; id 61778; // 11545 USB 6-3-2004 Sat 1503 (BM)  
12603.0 E03 id 76855 // 11545 USB 7-3-2004 Sun 1500 (BM)  
12603.0 E03 fair/readable, into message USB 9-3-2004 Tue 2200  
12603.0 E03 59980 SVO marker much louder than actual poacher USB  
18-3-2004 Thu 1802 (TN)  
12603.0 E03 fair/readable, ID is 67416 USB 23-3-2004 Tue 2300

12603.0 E03 strong/readable, into message USB 24-3-2004 Wed 2200 (CA2)  
12603.0 E03 fair/readable, ID is 67687 USB 25-3-2004 Thu 2200  
12603.0 E03 weak/readable, ID is 12115 USB 30-3-2004 Tue 2200  
12603.0 E03 weak/readable, into message USB 31-3-2004 Wed 2200  
12983 M22 4XZ. VVV marker CW 0837 (TE2)  
13000 M87 792 792 792 792 792 792 792 792 792 792 792 792 792  
792 792 000 CW 1-4-2004 0700 (IB)  
13375.0 E03 58493 USB 5-3-2004 Fri 1900 (GG)  
13375.0 E03 67416 (TX began fading at 1714z) USB 19-3-2004 Fri 1700 (GG)  
13375.0 E03 Linconlshire Poacher, surprisingly clear and loud in Southern USB 29-3-2004 Mon 1500 (JW2)  
13436.0 V02a weak/readable, into message USB 9-3-2004 Tue 0100  
13436.0 V02a fair/readable, into message USB 16-3-2004 Tue 0100  
13436.0 V02a fair/readable, ID is 71081 61152 75602 USB 23-3-2004 Tue 0100 (CA2)  
13436.0 V02a fair/readable, into message USB 30-3-2004 Tue 0100  
13506.0 X06 AM 6-3-2004 Sat 1220 (JS3)  
13523 XP msg AM 12-3-2004 Fri 0740 (HFD)  
13523 XP msg AM 16-3-2004 Tue 0720 (HFD)  
13523.0 XP strong/readable on receiver in Sweden, ID is 915 AM 5-3-2004 Fri 0740 (CA2)  
13523.0 XP fair/readable on rcvr in Sweden, ID is 915, message AM 12-3-2004 Fri 0740 (CA2)  
13523.0 XP strong/readable on rcvr in Sweden, ID is 915 AM 23-3-2004 Tue 0740 (CA2)  
13523.0 XP strong/readable on rcvr in Sweden, ID is 915, 305 grp msg AM 26-3-2004 Fri 0740 (CA2)  
13523.0 XP weak/readable here in the US, ID is 915, 305 grp msg AM 26-3-2004 Fri 0740 (CA2)  
13523.0 XP XP, strong/readable, ID is 915, dk/gc 03498/0277 AM 30-3-2004 Tue 0740 (CA2\*)  
13523.0 XP weak/readable, S0-S2 on the S-Meter, ID is 915, dk/gc 034 AM 30-3-2004 Tue 0740 (CA2)  
13533.0 E10 EZI 9? ?????, ?? ?????//9130 USB 21-3-2004 Sun 0330  
13533.0 E10 EZI 96 QFUPA, ?? ?????//9130 USB 21-3-2004 Sun 2000 (BS4)  
13533.0 E10 EZI in tfc//15980 USB 23-3-2004 Tue 1300 (BS4)  
14387 V07 304:0 AM 16-3-2004 Tue 0600 (HFD)  
14387.0 V07 weak/partially readable on rcvr in Sweden, to weak to ID USB 9-3-2004 Tue 0600 (CA2)  
14487.0 E03 weak/readable, ID is 39227 USB 1-3-2004 Mon 1300 (CA2)  
14487.0 E03 weak/readable, ID is 39227 USB 2-3-2004 Tue 1300 (CA2)  
14487.0 E03 weak/readable, ID is 39227 USB 3-3-2004 Wed 1300 (CA2)  
14487.0 E03 weak/readable, ID is 39227 USB 8-3-2004 Mon 1300 (CA2)  
14487.0 E03 weak/readable, ID is 20902 USB 15-3-2004 Mon 1300  
14487.0 E03 weak/readable, ID is 20902 USB 16-3-2004 Tue 1300

14487.0 E03 weak/readable, ID is 20902 USB 18-3-2004 Thu 1300  
 14487.0 E03 59880 USB 18-3-2004 Thu 1804 (TN)  
 14487.0 E03 USB 20-3-2004 Sat 1400 (NW)  
 14487.0 E03 Lincolnshire Poacher, vy weak at this QTH USB  
 20-3-2004 Sat 1442 (DM)  
 14487.0 E03 fair/readable, into message USB 21-3-2004 Sun 1400  
 14487.0 E03 weak/readable, ID is 20902 USB 22-3-2004 Mon 1300  
 14487.0 E03 fair/readable, ID is 20902 USB 24-3-2004 Wed 1300  
 14487.0 E03 fair/readable, ID is 20902 USB 25-3-2004 Thu 1300  
 14487.0 E03 fair/readable, ID is 20902 USB 26-3-2004 Fri 1300  
 14487.0 E03 fair/readable, into message USB 26-3-2004 Fri 1400  
 14487.0 E03 fair/readable, into message USB 28-3-2004 Sun 1400  
 14487.0 E03 weak/readable, into message USB 29-3-2004 Mon 1200  
 14487.0 E03 weak/readable, ID is 20902 USB 29-3-2004 Mon 1300  
 14487.0 E03 very weak/partially unheard, ID is 20902 USB 30-3-2004  
 Tue 1300 (CA2)  
 14487.0 E03 USB 31-3-2004 Wed 1300 (CS)  
 14487.0 E03 weak/readable, ID is 20902 USB 31-3-2004 Wed 1300  
 14561 S06 126 AM 16-3-2004 Tue 1630 (HFD)  
 14931 M16 8BY. DGSE. vvv vvv vvv 8by 8by 8by 862/153 /218 CW  
 5-3-2004 1050 (WP3)  
 14931.0 M16 8BY CW 18-3-2004 Thu 1759 (TN)  
 15682.0 E03 USB 31-3-2004 Wed 1300 (CS)  
 15980.0 E10 EZI in tfc//13533 USB 23-3-2004 Tue 1300 (BS4)  
 16084.0 E03 USB 31-3-2004 Wed 1300 (CS)  
 16087 V07 304:0 AM 16-3-2004 Tue 0620 (HFD)  
 16314.0 E03 Lincolnshire Poacher USB 16-3-2004 Tue 1400 (NW)  
 16475.0 E03 59880 USB 18-3-2004 Thu 1805 (TN)  
 16663 M91? v bjcc bjcc bjcc de 3sa 3sa msg nr 4911/o41 (r3) CW  
 23-3-2004 0700 (IB)  
 18250 M23 555 repeated CW 27-3-2004 1708  
 18864.0 E04 weak/readable, i/p USB 22-3-2004 Mon 2200 (CA2)  
 18864.0 E04 weak/readable, ID is 05245 USB 23-3-2004 Tue 2200  
 18864.0 E04 weak/readable, ID is 41794 USB 24-3-2004 Wed 2200  
 19884.0 E04 Cherry Ripe; i/p USB 18-3-2004 Thu 0108 (BM)  
 20208 M23 555 repeated CW 27-3-2004 1630

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